S
551.483
N7s
Vol. 1
1977

# MONTANA SURFACE WATER RECORDS

STATE DOCUMENTS COLLECTION
FEB 15 1978
MONTANA STATE LIBRARY
930 E Lyndale Ave.
Helena, Montana 59601

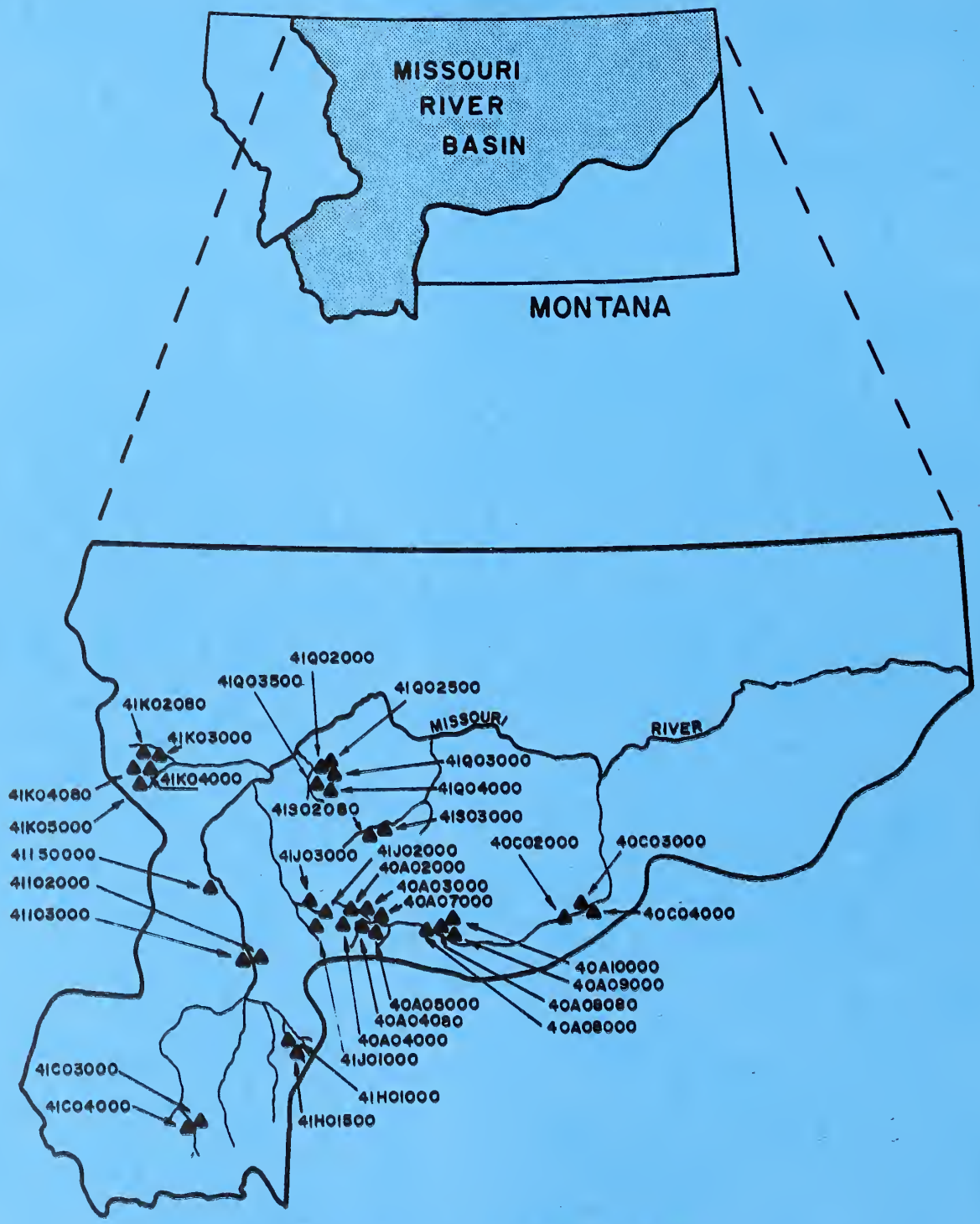
## MISSOURI RIVER BASIN

## 1961 - 76

Volume 1

MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION
WATER RESOURCES DIVISION
SEPTEMBER 1977
DNRC

MONTANA STATE LIBRARY
3 0864 1002 1432 2




MISSOURI RIVER BASIN

LOCATION OF GAGING STATIONS
IN MISSOURI RIVER BASIN

Thomas L. Judge, Governor

MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION

DNRC

MEMBERS OF THE BOARD - CHAIRMAN CECIL WEEDING, DR WILSON F CLARK, VIOLA HERAK, WILLIAM BERTSCHE, DAVID G DRUM, ROY HUFFMAN, CHARLES HASH

John C. Orth, Director

August 23, 1977

This report contains records of discharge from 1961 through 1976 for streams and canals associated with projects administered by the Montana Department of Natural Resources and Conservation in the Missouri River Basin.

For each of the gaging stations shown on the map opposite, sixteen annual tabulations of daily average discharges are given. Most of the gaging stations located on canals operate only during the irrigation season. A few stations, located on streams and rivers, are operational the entire year.

Additional data available from the Water Resources Division for the stations shown include instantaneous measurements and water temperature. Water quality data from stations involved in acid mine drainage studies is also available.

Montana Surface Water Records: Missouri River Basin, 1961-76 is the first volume of a three-volume series which includes the entire state. Volume 2 of that series reports data from stations in the Yellowstone River Basin in Montana; volume 3 includes records of stations in the Clark Fork Basin. All may be obtained from the Water Resources Division at the address below.

Sincerely,

Richard L. Bondy

Richard L. Bondy, P.E.
Chief, Engineering Bureau
WATER RESOURCES DIVISION

WATER RESOURCES DIVISION
ORRIN FERRIS, ADMINISTRATOR

(406) 449-2872

FLOODWAY MANAGEMENT (406) 449-2872 | ENGINEERING (406) 449-2864 | RESOURCES & PLANNING (406) 449-2872 | WATER DEVELOPMENT (406) 449-3937 | WATER RIGHTS (406) 449-3634 | HIGH PLAINS EXPERIMENT (406) 449-2872

32 SOUTH EWING, HELENA, MONTANA 59601

CONTENTS


| Station No. | Station Name | Page |
|---|---|---|
| 40A 02000 | North Fork Musselshell River Below Bair Reservoir near Martinsdale, MT . . . . . | 3 |
| 40A 03000 | North Fork Diversion Canal Below Headgate near Martinsdale, MT . . . . . | 13 |
| 40A 04000 | Martinsdale Supply Canal Below Headgate near Martinsdale, MT . . . . . | 23 |
| 40A 04080 | Martinsdale Supply Canal Above Reservoir near Martinsdale, MT . . . . . | 33 |
| 40A 05000 | Martinsdale Outlet Canal Below Reservoir near Martinsdale, MT . . . . . | 43 |
| 40A 07000 | Two Dot Canal Below Headgate near Two Dot, MT . . . . . | 53 |
| 40A 08000 | Deadman's Basin Supply Canal Below Headgate near Shawmut, MT . . . . . | 63 |
| 40A 08080 | Deadman's Basin Supply Canal Above Reservoir near Shawmut, MT . . . . . | 73 |
| 40A 09000 | Careless Creek Canal Below Reservoir near Shawmut, MT . . . . . | 83 |
| 40A 10000 | Barber Canal Below Headgate near Shawmut, MT . . . . . | 93 |
| 40C 02000 | Delphia Canal Below Headgate near Delphia, MT . . . . . | 103 |
| 40C 03000 | North Canal Below Headgate near Musselshell, MT . . . . . | 111 |
| 40C 04000 | South Canal Below Headgate near Musselshell, MT . . . . . | 117 |

CONTENTS Continued


| Station No. | Station Name | Page |
|---|---|---|
| 41C 03000 | Vigilante Canal Below Headgate near Alder, MT | 123 |
| 41C 04000 | West Bench Canal Below Headgate near Alder, MT | 131 |
| 41H 01000 | East Fork Hyalite Creek 1 mile Above Middle Creek Reservoir near Bozeman, MT | 139 |
| 41H 01500 | West Fork Hyalite Creek Above Middle Creek Reservoir near Bozeman, MT | 141 |
| 41I 02000 | Broadwater East Canal Below Headgate near Toston, MT | 143 |
| 41I 03000 | Broadwater West Canal Below Headgate near Toston, MT | 151 |
| 41I 50000 | Prickley Pear Creek near Clancy, MT | 159 |
| 41J 01000 | Eight Mile Creek Above North Fork Smith Reservoir near White Sulphur Springs, MT | 163 |
| 41J 02000 | North Fork Smith River Below North Fork Smith River Reservoir near White Sulphur Springs, MT | 165 |
| 41J 03000 | South Side Canal Below Headgate near White Sulphur Springs, MT | 173 |
| 41K 02080 | Nilan Supply Canal Above Nilan Reservoir near Augusta, MT | 181 |
| 41K 03000 | North Canal Above Drop to Willow Creek near Augusta, MT | 187 |
| 41K 04000 | East Canal Below Nilan Reservoir near Augusta, MT | 193 |
| 41K 04080 | East Canal Above Drop to Smith Creek near Augusta, MT | 199 |
| 41K 05000 | Florence Canal Below Headgate near Augusta, MT | 205 |

CONTENTS Continued


| Station No. | Station Name | Page |
|---|---|---|
| 41Q 02000 | Galena Creek at Hughesville, MT . . . . . | 211 |
| 41Q 02500 | Block P Mine Seep at Hughesville, MT . . . | 215 |
| 41Q 03000 | Liberty Mine Seep near Hughesville, MT . . | 219 |
| 41Q 03500 | Silver Creek near Hughesville, MT . . . . . | 223 |
| 41Q 04000 | Galena Creek near Barker, MT . . . . . | 227 |
| 41S 02080 | Ackley Lake Supply Canal Above Drop to Ackley Lake near Hobson, MT . . . . . | 231 |
| 41S 03000 | Ackley Lake Outlet Canal Below Ackley Lake near Hobson, MT . . . . . | 237 |

Digitized by the Internet Archive
in 2013

http://archive.org/details/montanasurfacewa1977mont

# MONTANA SURFACE WATER RECORDS

## Missouri River Basin

## 1961—76

40A 02000 North Fork Musselshell River Below Bair Reservoir near Martinsdale, MT

LOCATION -- Lat 46° 34' 40", long 110° 33' 40", in SE¼ NW¼ NE¼ Sec. 2, T. 9 N., R. 9 E., Meagher County, on right bank, 0.5 mi (0.8 km) downstream from Bair Reservoir, at river mile 20.8 (33.5 km) upstream from confluence with South Fork Musselshell River, 15 mi (24 km ) northwest of Martinsdale.

DRAINAGE AREA -- 49 sq. mi (127 sq. km).

GAGE -- Water stage recorder. Altitude of gage 5,230 ft (1,594 m) from topography map.

AVERAGE DISCHARGE -- 1961 to 1976 - 9,300 AF/season (11.5 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 117 $ft^3/s$ (3.31 $m^3/s$), May 14, 1975. Minimum discharge, no flow at times.

REMARKS -- Small diversions for irrigation of hay meadows above station. Records good except of no gage height record.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1961

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 61 | 6.5 | | | | |
| 2 | | | | | | 0 | 61 | 6.5 | | | | |
| 3 | | | | | | 0 | 47 | 6.5 | | | | |
| 4 | | | | | | 0 | 19 | 6.5 | | | | |
| 5 | | | | | | 0 | 19 | 6.5 | | | | |
| 6 | | | | | | 3.2 | 19 | 3.8 | | | | |
| 7 | | | | | | 9.6 | 19 | 3.7 | | | | |
| 8 | | | | | | 9.6 | 36 | 2.5 | | | | |
| 9 | | | | | | 14 | 51 | 3.8 | | | | |
| 10 | | | | | | 46 | 51 | 5.0 | | | | |
| 11 | | | | | | 46 | 51 | 3.7 | | | | |
| 12 | | | | | | 101 | 51 | 3.8 | | | | |
| 13 | | | | | | 46 | 51 | 2.5 | | | | |
| 14 | | | | | | 46 | 51 | 2.5 | | | | |
| 15 | | | | | | 46 | 51 | 2.5 | | | | |
| 16 | | | | | | 53 | 51 | 3.7 | | | | |
| 17 | | | | | | 61 | 65 | 2.5 | | | | |
| 18 | | | | | | 61 | 82 | 2.5 | | | | |
| 19 | | | | | | 50 | 74 | 2.5 | | | | |
| 20 | | | | | | 39 | 74 | 0 | | | | |
| 21 | | | | | | 43 | 74 | 0 | | | | |
| 22 | | | | | | 53 | 67 | 0 | | | | |
| 23 | | | | | | 61 | 61 | 0 | | | | |
| 24 | | | | | | 61 | 61 | 0 | | | | |
| 25 | | | | | | 61 | 61 | 0 | | | | |
| 26 | | | | | | 61 | 45 | 0 | | | | |
| 27 | | | | | | 67 | 35 | 0 | | | | |
| 28 | | | | | | 61 | 32 | 0 | | | | |
| 29 | | ------ | | | | 61 | 32 | 0 | | | | |
| 30 | | ------ | | | | 61 | 29 | 0 | | | | |
| 31 | | ------ | | ------ | | ------ | 12 | 0 | ------ | | ------ | |
| TOTAL | | | | | 0 | 1,221.4 | 1,493 | 77.5 | | | | |
| MEAN | | | | | 0 | 40.7 | 48.2 | 2.50 | | | | |
| MAX | | | | | 0 | 101 | 82 | 6.5 | | | | |
| MIN | | | | | 0 | 0 | 12 | 0 | | | | |
| AC-FT | | | | | 0 | 2,420 | 2,960 | 154 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 5.0 | 9.5 | 5.0 | 8.0 | 6.5 | |
| 2 | | | | | | | 5.0 | 13 | 5.0 | 8.0 | 6.5 | |
| 3 | | | | | | | 5.0 | 19 | 5.0 | 8.0 | 6.5 | |
| 4 | | | | | | | 5.0 | 23 | 6.5 | 8.0 | 6.5 | |
| 5 | | | | | | | 8.0 | 32 | 6.5 | 8.0 | 6.5 | |
| 6 | | | | | | | 9.5 | 32 | 6.5 | 8.0 | 6.5 | |
| 7 | | | | | | | 8.0 | 32 | 6.5 | 8.0 | 6.5 | |
| 8 | | | | | | | 9.5 | 32 | 6.5 | 8.0 | 6.5 | |
| 9 | | | | | | | 9.5 | 32 | 6.5 | 8.0 | 6.5 | |
| 10 | | | | | | | 8.0 | 35 | 6.5 | 8.0 | 5.0 | |
| 11 | | | | | | | 9.5 | 35 | 8.0 | 8.0 | 5.0 | |
| 12 | | | | | | | 8.0 | 35 | 8.0 | 8.0 | 3.8 | |
| 13 | | | | | | | 9.5 | 35 | 6.5 | 8.0 | 5.0 | |
| 14 | | | | | | | 1.2 | 39 | 6.5 | 8.0 | 5.0 | |
| 15 | | | | | | | 1.3 | 39 | 6.5 | 8.0 | 3.8 | |
| 16 | | | | | | | 1.7 | 39 | 6.5 | 8.0 | 5.0 | |
| 17 | | | | | | | 13 | 42 | 6.5 | 8.0 | 5.0 | |
| 18 | | | | | | | 12 | 42 | 6.5 | 8.0 | 3.8 | |
| 19 | | | | | | | 12 | 42 | 6.5 | 8.0 | 5.0 | |
| 20 | | | | | | | 9.5 | 32 | 6.5 | 8.0 | 3.8 | |
| 21 | | | | | | | 9.5 | 21 | 6.5 | 6.5 | 5.0 | |
| 22 | | | | | | | 8.0 | 21 | 6.5 | 9.8 | 3.8 | |
| 23 | | | | | | | 8.0 | 21 | 6.5 | 35 | 3.8 | |
| 24 | | | | | | | 8.0 | 21 | 6.5 | 35 | 3.8 | |
| 25 | | | | | | | 8.0 | 21 | 8.0 | 35 | 3.8 | |
| 26 | | | | | | | 9.5 | 23 | 8.0 | 39 | 3.8 | |
| 27 | | | | | | | 9.5 | 21 | 8.0 | 39 | 6.5 | |
| 28 | | | | | | | 9.5 | 12 | 8.0 | 39 | 32 | |
| 29 | | ------ | | | | | 9.5 | 5.0 | 8.0 | 39 | 35 | |
| 30 | | ------ | | | | | 8.0 | 5.0 | 8.0 | 29 | 35 | |
| 31 | | ------ | | ------ | | ------ | 8.0 | 5.0 | ------ | 6.5 | ------ | |
| TOTAL | | | | | | | 245.7 | 815.5 | 202.5 | 472.8 | 241.2 | |
| MEAN | | | | | | | 7.93 | 26.3 | 6.75 | 15.3 | 8.04 | |
| MAX | | | | | | | 13 | 42 | 8.0 | 39 | 35 | |
| MIN | | | | | | | 1.2 | 5.0 | 5.0 | 6.5 | 3.8 | |
| AC-FT | | | | | | | 487 | 1,620 | 402 | 938 | 478 | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 16 | 16 | 15 | 33 | 41 | | | |
| 2 | | | | 0 | 16 | 16 | 15 | 37 | 41 | | | |
| 3 | | | | 2.0 | 18 | 18 | 15 | 83 | 41 | | | |
| 4 | | | | 3.9 | 18 | 18 | 15 | 93 | 41 | | | |
| 5 | | | | 5.0 | 21 | 22 | 13 | 93 | 41 | | | |
| 6 | | | | 6.0 | 18 | 22 | 13 | 103 | 46 | | | |
| 7 | | | | 7.2 | 18 | 22 | 13 | 103 | 46 | | | |
| 8 | | | | 9.2 | 18 | 22 | 10 | 103 | 46 | | | |
| 9 | | | | 10 | 24 | 22 | 10 | 103 | 46 | | | |
| 10 | | | | 10 | 27 | 25 | 13 | 103 | 41 | | | |
| 11 | | | | 10 | 34 | 25 | 13 | 103 | 33 | | | |
| 12 | | | | 15 | 42 | 28 | 10 | 66 | 33 | | | |
| 13 | | | | 15 | 33 | 18 | 10 | 23 | 33 | | | |
| 14 | | | | 10 | 37 | 20 | 10 | 23 | 33 | | | |
| 15 | | | | 10 | 33 | 26 | 10 | 23 | 33 | | | |
| 16 | | | | 8.0 | 33 | 20 | 10 | 23 | 33 | | | |
| 17 | | | | 8.0 | 30 | 20 | 10 | 23 | 33 | | | |
| 18 | | | | 10 | 26 | 20 | 10 | 23 | 30 | | | |
| 19 | | | | 8.0 | 23 | 18 | 10 | 23 | 27 | | | |
| 20 | | | | 8.0 | 23 | 18 | 10 | 26 | 24 | | | |
| 21 | | | | 8.0 | 23 | 23 | 8.0 | 33 | 21 | | | |
| 22 | | | | 10 | 20 | 23 | 8.0 | 33 | 15 | | | |
| 23 | | | | 8.0 | 20 | 20 | 6.0 | 33 | 10 | | | |
| 24 | | | | 10 | 23 | 23 | 10 | 33 | 10 | | | |
| 25 | | | | 11 | 26 | 23 | 33 | 33 | 10 | | | |
| 26 | | | | 11 | 26 | 20 | 33 | 33 | 10 | | | |
| 27 | | | | 11 | 18 | 18 | 33 | 33 | 10 | | | |
| 28 | | | | 13 | 16 | 18 | 33 | 33 | 10 | | | |
| 29 | | ------ | | 13 | 16 | 18 | 33 | 37 | 10 | | | |
| 30 | | ------ | | 13 | 16 | 15 | 33 | 41 | 10 | | | |
| 31 | | ------ | | ------ | 16 | ------ | 33 | 41 | ------ | | ------ | |
| TOTAL | | | | 263.3 | 728 | 617 | 498.0 | 1,593 | 858 | | | |
| MEAN | | | | 8.78 | 23.5 | 20.6 | 16.1 | 51.4 | 28.6 | | | |
| MAX | | | | 15 | 42 | 28 | 33 | 103 | 46 | | | |
| MIN | | | | 0 | 16 | 15 | 6.0 | 23 | 10 | | | |
| AC-FT | | | | 522 | 1,440 | 1,220 | 988 | 3,160 | 1,700 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 0 | 35 | 26 | 68 | 2.5 | | | |
| 2 | | | | 0 | 0 | 35 | 26 | 74 | 1.0 | | | |
| 3 | | | | 0 | 0 | 35 | 26 | 74 | 1.0 | | | |
| 4 | | | | 0 | 0 | 32 | 26 | 68 | 1.0 | | | |
| 5 | | | | 0 | 0 | 32 | 23 | 74 | 1.0 | | | |
| 6 | | | | 0 | 0 | 32 | 23 | 68 | 1.0 | | | |
| 7 | | | | 0 | 0 | 35 | 21 | 51 | 1.0 | | | |
| 8 | | | | 0 | 0 | 39 | 21 | 42 | 1.0 | | | |
| 9 | | | | 0 | 0 | 46 | 21 | 39 | 1.0 | | | |
| 10 | | | | 0 | 0 | 56 | 21 | 35 | 1.0 | | | |
| 11 | | | | 0 | 0 | 46 | 21 | 35 | 1.0 | | | |
| 12 | | | | 0 | 0 | 46 | 19 | 35 | 1.0 | | | |
| 13 | | | | 0 | 0 | 42 | 19 | 35 | 0 | | | |
| 14 | | | | 0 | 0 | 42 | 19 | 32 | 0 | | | |
| 15 | | | | 0 | 0 | 42 | 19 | 32 | 0 | | | |
| 16 | | | | 0 | 0 | 42 | 15 | 32 | 0 | | | |
| 17 | | | | 0 | 2.5 | 42 | 14 | 32 | 0 | | | |
| 18 | | | | 0 | 8.0 | 46 | 14 | 32 | 0 | | | |
| 19 | | | | 0 | 15 | 42 | 14 | 32 | 0 | | | |
| 20 | | | | 0 | 23 | 46 | 12 | 32 | 0 | | | |
| 21 | | | | 0 | 32 | 39 | 19 | 32 | 0 | | | |
| 22 | | | | 0 | 32 | 39 | 23 | 32 | 0 | | | |
| 23 | | | | 1.0 | 32 | 35 | 26 | 32 | 0 | | | |
| 24 | | | | 1.0 | 32 | 35 | 35 | 32 | 0 | | | |
| 25 | | | | 1.0 | 32 | 35 | 46 | 26 | 0 | | | |
| 26 | | | | 1.0 | 35 | 32 | 46 | 17 | 0 | | | |
| 27 | | | | 1.0 | 32 | 32 | 46 | 17 | 0 | | | |
| 28 | | | | 1.0 | 35 | 29 | 56 | 17 | 0 | | | |
| 29 | | | | 0 | 35 | 29 | 61 | 17 | 0 | | | |
| 30 | | ------ | | 0 | 35 | 29 | 68 | 9.5 | 0 | | | |
| 31 | | ------ | | ------ | 39 | ------ | 68 | 2.5 | ------ | | ------ | |
| TOTAL | | | | 6.0 | 419.5 | 1,147 | 894 | 1,156.0 | 13.5 | | | |
| MEAN | | | | .20 | 13.5 | 38.2 | 28.8 | 37.3 | .45 | | | |
| MAX | | | | 1.0 | 39 | 56 | 68 | 74 | 2.5 | | | |
| MIN | | | | 0 | 0 | 29 | 12 | 2.5 | 0 | | | |
| AC-FT | | | | 12 | 832 | 2,280 | 1,770 | 2,290 | 27 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 51 | 51 | 45 | 32 | 38 | | | |
| 2 | | | | | 51 | 51 | 45 | 32 | 38 | | | |
| 3 | | | | | 51 | 51 | 45 | 32 | 38 | | | |
| 4 | | | | | 48 | 48 | 43 | 32 | 40 | | | |
| 5 | | | | | 48 | 48 | 43 | 32 | 40 | | | |
| 6 | | | | | 48 | 45 | 40 | 28 | 40 | | | |
| 7 | | | | | 48 | 43 | 43 | 26 | 40 | | | |
| 8 | | | | | 45 | 43 | 40 | 26 | 36 | | | |
| 9 | | | | | 45 | 43 | 40 | 26 | 36 | | | |
| 10 | | | | | 45 | 43 | 40 | 26 | 36 | | | |
| 11 | | | | | 43 | 43 | 40 | 26 | 36 | | | |
| 12 | | | | | 43 | 45 | 38 | 26 | 36 | | | |
| 13 | | | | | 43 | 48 | 36 | 34 | 36 | | | |
| 14 | | | | | 45 | 51 | 36 | 45 | 36 | | | |
| 15 | | | | | 51 | 48 | 34 | 54 | 38 | | | |
| 16 | | | | | 51 | 51 | 34 | 54 | 38 | | | |
| 17 | | | | | 48 | 68 | 34 | 57 | 38 | | | |
| 18 | | | | | 48 | 57 | 34 | 57 | 38 | | | |
| 19 | | | | | 51 | 57 | 34 | 57 | 38 | | | |
| 20 | | | | | 51 | 54 | 34 | 57 | 38 | | | |
| 21 | | | | | 51 | 54 | 34 | 57 | 38 | | | |
| 22 | | | | | 51 | 51 | 34 | 57 | 38 | | | |
| 23 | | | | | 54 | 51 | 32 | 57 | 38 | | | |
| 24 | | | | | 57 | 51 | 32 | 45 | 36 | | | |
| 25 | | | | | 54 | 57 | 32 | 36 | 36 | | | |
| 26 | | | | | 51 | 57 | 32 | 36 | 36 | | | |
| 27 | | | | | 48 | 51 | 32 | 36 | 36 | | | |
| 28 | | | | | 48 | 48 | 32 | 36 | 36 | | | |
| 29 | | ------ | | | 48 | 48 | 32 | 38 | 36 | | | |
| 30 | | ------ | | | 48 | 48 | 32 | 38 | 36 | | | |
| 31 | | ------ | | ------ | 48 | ------ | 32 | 38 | ------ | | ------ | |
| TOTAL | | | | | 1,512 | 1,504 | 1,134 | 1,233 | 1,120 | | | |
| MEAN | | | | | 48.8 | 50.1 | 36.6 | 39.8 | 37.3 | | | |
| MAX | | | | | 57 | 68 | 45 | 57 | 40 | | | |
| MIN | | | | | 43 | 43 | 32 | 26 | 36 | | | |
| AC-FT | | | | | 3,000 | 2,980 | 2,250 | 2,450 | 2,220 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 7.5 | 16 | 12 | 56 | 47 | | | |
| 2 | | | | | 7.5 | 16 | 14 | 56 | 47 | | | |
| 3 | | | | | 8.0 | 16 | 14 | 62 | 47 | | | |
| 4 | | | | | 8.0 | 16 | 12 | 62 | 47 | | | |
| 5 | | | | | 9.5 | 14 | 9.5 | 62 | 47 | | | |
| 6 | | | | | 9.5 | 14 | 7.8 | 68 | 47 | | | |
| 7 | | | | | 12 | 14 | 7.8 | 68 | 47 | | | |
| 8 | | | | | 12 | 14 | 9.5 | 68 | 42 | | | |
| 9 | | | | | 12 | 14 | 7.8 | 68 | 42 | | | |
| 10 | | | | | 16 | 18 | 7.8 | 62 | 42 | | | |
| 11 | | | | | 18 | 18 | 7.8 | 51 | 42 | | | |
| 12 | | | | | 16 | 14 | 7.8 | 56 | 42 | | | |
| 13 | | | | | 18 | 12 | 7.8 | 56 | 42 | | | |
| 14 | | | | | 18 | 12 | 9.5 | 56 | 42 | | | |
| 15 | | | | | 18 | 9.5 | 9.5 | 62 | 42 | | | |
| 16 | | | | | 18 | 9.5 | 7.8 | 62 | 25 | | | |
| 17 | | | | | 16 | 9.5 | 7.8 | 62 | 16 | | | |
| 18 | | | | | 16 | 9.5 | 7.8 | 56 | 14 | | | |
| 19 | | | | | 14 | 9.5 | 7.8 | 51 | 14 | | | |
| 20 | | | | | 14 | 9.5 | 7.8 | 51 | 14 | | | |
| 21 | | | | | 14 | 9.5 | 7.8 | 51 | 14 | | | |
| 22 | | | | | 16 | 9.5 | 14 | 51 | 14 | | | |
| 23 | | | | | 18 | 9.5 | 23 | 51 | 14 | | | |
| 24 | | | | | 16 | 9.5 | 23 | 51 | 14 | | | |
| 25 | | | | | 16 | 9.5 | 23 | 51 | 14 | | | |
| 26 | | | | | 16 | 7.8 | 23 | 56 | 14 | | | |
| 27 | | | | | 16 | 7.8 | 35 | 47 | 9.5 | | | |
| 28 | | | | | 16 | 7.8 | 51 | 42 | 2.5 | | | |
| 29 | | ------ | | | 16 | 9.5 | 56 | 42 | 1.0 | | | |
| 30 | | ------ | | | 16 | 12 | 56 | 42 | 1.0 | | | |
| 31 | | ------ | | ------ | 16 | ------ | 62 | 42 | ------ | | ------ | |
| TOTAL | | | | | 444.0 | 357.4 | 557.4 | 1,721 | 846.0 | | | |
| MEAN | | | | | 14.3 | 11.9 | 18.0 | 55.5 | 28.2 | | | |
| MAX | | | | | 18 | 18 | 62 | 68 | 47 | | | |
| MIN | | | | | 7.5 | 7.8 | 7.8 | 42 | 1.0 | | | |
| AC-FT | | | | | 881 | 709 | 1,110 | 3,410 | 1,680 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 30 | 40 | 44 | 24 | 52 | | | |
| 2 | | | | | 30 | 62 | 40 | 24 | 52 | | | |
| 3 | | | | | 30 | 79 | 40 | 27 | 52 | | | |
| 4 | | | | | 30 | 94 | 40 | 33 | 52 | | | |
| 5 | | | | | 30 | 102 | 40 | 33 | 52 | | | |
| 6 | | | | | 30 | 102 | 40 | 33 | 40 | | | |
| 7 | | | | | 30 | 102 | 40 | 33 | 40 | | | |
| 8 | | | | | 33 | 94 | 40 | 33 | 36 | | | |
| 9 | | | | | 36 | 86 | 30 | 33 | 36 | | | |
| 10 | | | | | 36 | 86 | 2.5 | 36 | 36 | | | |
| 11 | | | | | 36 | 86 | 2.5 | 62 | 36 | | | |
| 12 | | | | | 36 | 94 | 11 | 67 | 36 | | | |
| 13 | | | | | 36 | 112 | 18 | 67 | 36 | | | |
| 14 | | | | | 36 | 112 | 24 | 67 | 36 | | | |
| 15 | | | | | 36 | 102 | 24 | 67 | 36 | | | |
| 16 | | | | | 36 | 102 | 24 | 62 | 36 | | | |
| 17 | | | | | 36 | 94 | 24 | 67 | 36 | | | |
| 18 | | | | | 36 | 94 | 27 | 67 | 33 | | | |
| 19 | | | | | 36 | 86 | 27 | 67 | 33 | | | |
| 20 | | | | | 36 | 79 | 27 | 67 | 33 | | | |
| 21 | | | | | 36 | 73 | 24 | 67 | 33 | | | |
| 22 | | | | | 36 | 79 | 21 | 67 | 33 | | | |
| 23 | | | | | 36 | 73 | 21 | 67 | 33 | | | |
| 24 | | | | | 36 | 67 | 18 | 67 | 33 | | | |
| 25 | | | | | 36 | 62 | 18 | 67 | 33 | | | |
| 26 | | | | | 36 | 57 | 18 | 67 | 30 | | | |
| 27 | | | | | 36 | 52 | 18 | 67 | 30 | | | |
| 28 | | | | | 36 | 52 | 21 | 67 | 30 | | | |
| 29 | | ------ | | | 36 | 48 | 27 | 67 | 30 | | | |
| 30 | | ------ | | | 36 | 44 | 21 | 62 | 30 | | | |
| 31 | | ------ | | ------ | 36 | ------ | 21 | 52 | ------ | | ------ | |
| TOTAL | | | | | 1,071 | 2,415 | 793.0 | 1,686 | 1,114 | | | |
| MEAN | | | | | 34.5 | 80.5 | 25.6 | 54.4 | 37.1 | | | |
| MAX | | | | | 36 | 112 | 44 | 67 | 52 | | | |
| MIN | | | | | 30 | 40 | 2.5 | 24 | 30 | | | |
| AC-FT | | | | | 2,120 | 4,790 | 1,570 | 3,340 | 2,210 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 32 | 57 | 32 | 41 | 46 | | | |
| 2 | | | | | 32 | 51 | 28 | 41 | 46 | | | |
| 3 | | | | | 32 | 51 | 28 | 51 | 46 | | | |
| 4 | | | | | 32 | 63 | 28 | 78 | 46 | | | |
| 5 | | | | | 32 | 63 | 25 | 78 | 46 | | | |
| 6 | | | | | 36 | 63 | 25 | 78 | 46 | | | |
| 7 | | | | | 46 | 63 | 25 | 78 | 46 | | | |
| 8 | | | | | 46 | 63 | 21 | 87 | 41 | | | |
| 9 | | | | | 41 | 63 | 21 | 87 | 28 | | | |
| 10 | | | | | 41 | 63 | 21 | 87 | 0 | | | |
| 11 | | | | | 41 | 57 | 21 | 87 | 0 | | | |
| 12 | | | | | 41 | 57 | 18 | 78 | 0 | | | |
| 13 | | | | | 36 | 57 | 18 | 78 | 0 | | | |
| 14 | | | | | 25 | 57 | 18 | 87 | 0 | | | |
| 15 | | | | | 25 | 51 | 18 | 78 | 0 | | | |
| 16 | | | | | 25 | 51 | 21 | 87 | 0 | | | |
| 17 | | | | | 25 | 46 | 25 | 78 | 0 | | | |
| 18 | | | | | 25 | 46 | 25 | 87 | 0 | | | |
| 19 | | | | | 25 | 41 | 21 | 78 | 0 | | | |
| 20 | | | | | 25 | 32 | 21 | 46 | 0 | | | |
| 21 | | | | | 25 | 41 | 18 | 46 | 0 | | | |
| 22 | | | | | 25 | 41 | 18 | 46 | 0 | | | |
| 23 | | | | | 25 | 41 | 18 | 46 | 0 | | | |
| 24 | | | | | 25 | 41 | 18 | 46 | 0 | | | |
| 25 | | | | | 25 | 36 | 18 | 46 | 0 | | | |
| 26 | | | | | 28 | 36 | 18 | 46 | 0 | | | |
| 27 | | | | | 46 | 36 | 18 | 46 | 0 | | | |
| 28 | | | | | 51 | 28 | 32 | 46 | 0 | | | |
| 29 | | | | | 57 | 28 | 28 | 46 | 0 | | | |
| 30 | | ------ | | | 63 | 32 | 41 | 46 | 0 | | | |
| 31 | | ------ | | ------ | 57 | ------ | 41 | 46 | ------ | | ------ | |
| TOTAL | | | | | 1,090 | 1,455 | 728 | 1,996 | 391 | | | |
| MEAN | | | | | 35.2 | 48.5 | 23.5 | 64.4 | 13.0 | | | |
| MAX | | | | | 63 | 63 | 41 | 87 | 46 | | | |
| MIN | | | | | 25 | 28 | 18 | 41 | 0 | | | |
| AC-FT | | | | | 2,160 | 2,890 | 1,440 | 3,960 | 776 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 10 | 33 | 19 | 0 | 29 | 78 | | | |
| 2 | | | | 10 | 33 | 19 | 0 | 29 | 73 | | | |
| 3 | | | | 10 | 33 | 19 | 0 | 37 | 49 | | | |
| 4 | | | | 10 | 33 | 19 | 0 | 63 | 41 | | | |
| 5 | | | | 10 | 33 | 26 | 0 | 63 | 41 | | | |
| 6 | | | | 10 | 29 | 23 | 0 | 63 | 41 | | | |
| 7 | | | | 16 | 26 | 23 | 0 | 68 | 41 | | | |
| 8 | | | | 26 | 26 | 23 | 0 | 68 | 41 | | | |
| 9 | | | | 26 | 26 | 16 | 0 | 68 | 41 | | | |
| 10 | | | | 26 | 26 | 11 | 0 | 73 | 41 | | | |
| 11 | | | | 29 | 26 | 11 | 0 | 73 | 29 | | | |
| 12 | | | | 29 | 26 | 11 | 0 | 73 | .50 | | | |
| 13 | | | | 29 | 26 | 19 | 0 | 78 | .50 | | | |
| 14 | | | | 33 | 26 | 26 | 0 | 78 | .50 | | | |
| 15 | | | | 33 | 26 | 26 | 0 | 78 | .50 | | | |
| 16 | | | | 33 | 26 | 26 | 0 | 78 | .50 | | | |
| 17 | | | | 36 | 26 | 26 | 0 | 78 | .50 | | | |
| 18 | | | | 41 | 26 | 26 | 0 | 73 | 0 | | | |
| 19 | | | | 37 | 26 | 26 | 0 | 73 | 0 | | | |
| 20 | | | | 37 | 26 | 29 | 0 | 73 | 0 | | | |
| 21 | | | | 37 | 26 | 58 | 0 | 73 | 0 | | | |
| 22 | | | | 33 | 23 | 54 | 0 | 73 | 0 | | | |
| 23 | | | | 33 | .50 | 41 | 0 | 73 | 0 | | | |
| 24 | | | | 37 | 5.5 | 63 | 0 | 73 | 0 | | | |
| 25 | | | | 37 | 13 | 63 | 0 | 73 | 0 | | | |
| 26 | | | | 37 | 16 | 54 | 0 | 88 | 0 | | | |
| 27 | | | | 33 | 16 | 8.0 | 0 | 88 | 0 | | | |
| 28 | | | | 33 | 16 | 3.0 | 8.0 | 88 | 0 | | | |
| 29 | | ------ | | 33 | 16 | .50 | 11 | 88 | 0 | | | |
| 30 | | ------ | | 33 | 19 | 0 | 29 | 83 | 0 | | | |
| 31 | | ------ | | ------ | 23 | ------ | 29 | 83 | ------ | | ------ | |
| TOTAL | | | | 837 | 732.00 | 768.50 | 77.0 | 2,199 | 519.00 | | | |
| MEAN | | | | 27.9 | 23.6 | 25.6 | 2.48 | 70.9 | 17.3 | | | |
| MAX | | | | 41 | 33 | 63 | 29 | 88 | 78 | | | |
| MIN | | | | 10 | .50 | 0 | 0 | 29 | 0 | | | |
| AC-FT | | | | 1,660 | 1,450 | 1,520 | 153 | 4,360 | 1,030 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 8.0 | 58 | 29 | 19 | 68 | | | |
| 2 | | | | | 44 | 54 | 26 | 19 | 68 | | | |
| 3 | | | | | 44 | 54 | 23 | 19 | 68 | | | |
| 4 | | | | | 49 | 54 | 23 | 19 | 68 | | | |
| 5 | | | | | 49 | 49 | 23 | 49 | 68 | | | |
| 6 | | | | | 54 | 54 | 23 | 49 | 68 | | | |
| 7 | | | | | 58 | 54 | 23 | 49 | 68 | | | |
| 8 | | | | | 63 | 54 | 23 | 49 | 68 | | | |
| 9 | | | | | 54 | 54 | 23 | 49 | 58 | | | |
| 10 | | | | | 49 | 54 | 19 | 49 | 26 | | | |
| 11 | | | | | 49 | 49 | .50 | 49 | 26 | | | |
| 12 | | | | | 54 | 49 | .50 | 49 | 26 | | | |
| 13 | | | | | 54 | 54 | 3.0 | 49 | 26 | | | |
| 14 | | | | | 49 | 49 | 3.0 | 49 | 26 | | | |
| 15 | | | | | 44 | 49 | 8.0 | 49 | 26 | | | |
| 16 | | | | | 44 | 41 | 11 | 49 | 26 | | | |
| 17 | | | | | 49 | 37 | 11 | 54 | 26 | | | |
| 18 | | | | | 37 | 37 | 11 | 68 | 26 | | | |
| 19 | | | | | 49 | 33 | 11 | 88 | 23 | | | |
| 20 | | | | | 58 | 29 | 11 | 88 | 8.0 | | | |
| 21 | | | | | 68 | 29 | 11 | 98 | 8.0 | | | |
| 22 | | | | | 68 | 29 | 13 | 98 | 8.0 | | | |
| 23 | | | | | 73 | 29 | 13 | 93 | 8.0 | | | |
| 24 | | | | | 73 | 29 | 11 | 93 | 5.5 | | | |
| 25 | | | | | 73 | 29 | 11 | 98 | 5.5 | | | |
| 26 | | | | | 68 | 26 | 11 | 88 | 5.5 | | | |
| 27 | | | | | 63 | 29 | 11 | 88 | 5.5 | | | |
| 28 | | | | | 63 | 29 | 13 | 88 | 5.5 | | | |
| 29 | | ------ | | | 63 | 29 | 26 | 98 | 3.0 | | | |
| 30 | | ------ | | | 63 | 29 | 23 | 98 | 3.0 | | | |
| 31 | | ------ | | ------ | 63 | ------ | 19 | 88 | ------ | | ------ | |
| TOTAL | | | | | 1,697.0 | 1,253 | 467.00 | 1,990 | 924.5 | | | |
| MEAN | | | | | 54.7 | 41.8 | 15.1 | 64.2 | 30.8 | | | |
| MAX | | | | | 73 | 58 | 29 | 98 | 68 | | | |
| MIN | | | | | 8.0 | 26 | .50 | 19 | 3.0 | | | |
| AC-FT | | | | | 3,370 | 2,490 | 926 | 3,950 | 1,830 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 10 | 36 | 36 | 29 | 53 | 49 | | | |
| 2 | | | | 10 | 36 | 36 | 40 | 53 | 49 | | | |
| 3 | | | | 10 | 36 | 36 | 44 | 53 | 40 | | | |
| 4 | | | | 10 | 36 | 36 | 40 | 53 | 40 | | | |
| 5 | | | | 10 | 36 | 36 | 40 | 53 | 40 | | | |
| 6 | | | | 10 | 36 | 36 | 36 | 53 | 40 | | | |
| 7 | | | | 10 | 36 | 36 | 22 | 63 | 40 | | | |
| 8 | | | | 10 | 36 | 36 | 22 | 78 | 40 | | | |
| 9 | | | | 10 | 33 | 36 | 22 | 78 | 40 | | | |
| 10 | | | | 10 | 33 | 36 | 22 | 82 | 29 | | | |
| 11 | | | | 10 | 33 | 36 | 22 | 82 | 29 | | | |
| 12 | | | | 10 | 33 | 36 | 22 | 82 | 29 | | | |
| 13 | | | | 10 | 33 | 36 | 22 | 82 | 29 | | | |
| 14 | | | | 10 | 33 | 29 | 22 | 88 | 29 | | | |
| 15 | | | | 13 | 33 | 5.5 | 19 | 92 | 29 | | | |
| 16 | | | | 13 | 33 | 3.0 | .50 | 88 | 29 | | | |
| 17 | | | | 22 | 33 | 3.0 | .50 | 88 | 29 | | | |
| 18 | | | | 36 | 33 | 3.0 | 5.5 | 88 | 29 | | | |
| 19 | | | | 44 | 33 | 8.0 | 13 | 82 | 29 | | | |
| 20 | | | | 40 | 33 | 16 | 13 | 82 | 4.8 | | | |
| 21 | | | | 40 | 36 | 22 | 16 | 78 | 0 | | | |
| 22 | | | | 44 | 36 | 22 | 22 | 63 | 0 | | | |
| 23 | | | | 44 | 36 | 22 | 22 | 63 | 0 | | | |
| 24 | | | | 49 | 36 | 22 | 22 | 63 | 0 | | | |
| 25 | | | | 54 | 36 | 26 | 22 | 54 | 0 | | | |
| 26 | | | | 59 | 36 | 33 | 26 | 54 | 0 | | | |
| 27 | | | | 54 | 36 | 33 | 36 | 54 | 0 | | | |
| 28 | | | | 49 | 36 | 29 | 40 | 49 | 0 | | | |
| 29 | | ------ | | 44 | 36 | 29 | 49 | 49 | 0 | | | |
| 30 | | ------ | | 36 | 36 | 26 | 49 | 44 | 0 | | | |
| 31 | | ------ | | ------ | 36 | ------ | 49 | 49 | ------ | | ------ | |
| TOTAL | | | | 781 | 1,080 | 799.5 | 809.50 | 2,093 | 672.8 | | | |
| MEAN | | | | 26.0 | 34.8 | 26.7 | 26.1 | 67.5 | 22.4 | | | |
| MAX | | | | 59 | 36 | 36 | 49 | 92 | 49 | | | |
| MIN | | | | 10 | 33 | 3.0 | .50 | 44 | 0 | | | |
| AC-FT | | | | 1,550 | 2,140 | 1,590 | 1,610 | 4,150 | 1,330 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 41 | 19 | 8.0 | 68 | 0 | | |
| 2 | | | | | 0 | 45 | 19 | 11 | 68 | 0 | | |
| 3 | | | | | 0 | 54 | 19 | 16 | 68 | 0 | | |
| 4 | | | | | 0 | 49 | 19 | 13 | 68 | 0 | | |
| 5 | | | | | 0 | 45 | 19 | 13 | 68 | 0 | | |
| 6 | | | | | 0 | 45 | 19 | 11 | 68 | 0 | | |
| 7 | | | | | 0 | 45 | 19 | 11 | 68 | 0 | | |
| 8 | | | | | 0 | 45 | 8.8 | 8.0 | 63 | 0 | | |
| 9 | | | | | 0 | 45 | 0 | 11 | 63 | 4.6 | | |
| 10 | | | | | 0 | 45 | 0 | 11 | 63 | 16 | | |
| 11 | | | | | 0 | 45 | 0 | 33 | 63 | 16 | | |
| 12 | | | | | 0 | 45 | 0 | 49 | 63 | 16 | | |
| 13 | | | | | 0 | 45 | 0 | 49 | 63 | 16 | | |
| 14 | | | | | 0 | 45 | 0 | 49 | 63 | 11 | | |
| 15 | | | | | 0 | 45 | 0 | 45 | 63 | 0 | | |
| 16 | | | | | 0 | 45 | 0 | 45 | 63 | 0 | | |
| 17 | | | | | 0 | 41 | 0 | 45 | 63 | 0 | | |
| 18 | | | | | 0 | 41 | 0 | 53 | 54 | 0 | | |
| 19 | | | | | 0 | 45 | .50 | 68 | 41 | 0 | | |
| 20 | | | | | 0 | 41 | 5.5 | 68 | 41 | 0 | | |
| 21 | | | | | 0 | 33 | 11 | 68 | 41 | 0 | | |
| 22 | | | | | 0 | 19 | 13 | 68 | 41 | 0 | | |
| 23 | | | | | 0 | 19 | 13 | 68 | 41 | 0 | | |
| 24 | | | | | 0 | 19 | 13 | 68 | 41 | 0 | | |
| 25 | | | | | 0 | 19 | 13 | 73 | 41 | 0 | | |
| 26 | | | | | 0 | 19 | 13 | 68 | 41 | 0 | | |
| 27 | | | | | 0 | 19 | 11 | 63 | 41 | 0 | | |
| 28 | | | | | 0 | 19 | 8.0 | 68 | 41 | 0 | | |
| 29 | | | | | 3.1 | 19 | 8.0 | 68 | 23 | 0 | | |
| 30 | | ------ | | | 33 | 19 | 8.0 | 68 | 0 | 0 | | |
| 31 | | ------ | | ------ | 41 | ------ | 8.0 | 68 | ------ | 0 | ------ | |
| TOTAL | | | | 0 | 77.1 | 1,101 | 266.80 | 1,365.0 | 1,593 | 79.6 | | |
| MEAN | | | | 0 | 2.49 | 36.7 | 8.61 | 44.0 | 53.1 | 2.57 | | |
| MAX | | | | 0 | 41 | 54 | 19 | 73 | 68 | 16 | | |
| MIN | | | | 0 | 0 | 19 | 0 | 8.0 | 0 | 0 | | |
| AC-FT | | | | 0 | 153 | 2,180 | 529 | 2,710 | 3,160 | 158 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 88 | 45 | | | | | |
| 2 | | | | | 0 | 88 | 45 | | | | | |
| 3 | | | | | 0 | 88 | 45 | | | | | |
| 4 | | | | | 0 | 88 | 49 | | | | | |
| 5 | | | | | 0 | 83 | 58 | | | | | |
| 6 | | | | | 0 | 83 | 63 | | | | | |
| 7 | | | | | 0 | 78 | 83 | | | | | |
| 8 | | | | | 0 | 78 | 110 | | | | | |
| 9 | | | | | 0 | 78 | 98 | | | | | |
| 10 | | | | | 0 | 78 | 98 | | | | | |
| 11 | | | | | 0 | 78 | 93 | | | | | |
| 12 | | | | | 0 | 78 | 68 | | | | | |
| 13 | | | | | 0 | 73 | 49 | | | | | |
| 14 | | | | | 0 | 54 | 54 | | | | | |
| 15 | | | | | 0 | 37 | 49 | | | | | |
| 16 | | | | | 0 | 37 | 45 | | | | | |
| 17 | | | | | 0 | 37 | 41 | | | | | |
| 18 | | | | | 0 | 37 | 41 | | | | | |
| 19 | | | | | 0 | 37 | 41 | | | | | |
| 20 | | | | | 0 | 26 | 24 | | | | | |
| 21 | | | | | 0 | 8.0 | 0 | | | | | |
| 22 | | | | | 0 | 5.5 | 0 | | | | | |
| 23 | | | | | 0 | 5.5 | 0 | | | | | |
| 24 | | | | | 22 | 8.0 | 0 | | | | | |
| 25 | | | | | 49 | 8.0 | 0 | | | | | |
| 26 | | | | | 58 | 8.0 | 0 | | | | | |
| 27 | | | | | 78 | 19 | 0 | | | | | |
| 28 | | | | | 83 | 45 | 0 | | | | | |
| 29 | | ------ | | | 78 | 49 | 0 | | | | | |
| 30 | | ------ | | | 73 | 45 | 0 | | | | | |
| 31 | | ------ | | ------ | 88 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | 529 | 1,525.0 | 1,199 | 0 | 0 | | | |
| MEAN | | | | | 17.1 | 50.8 | 38.7 | 0 | 0 | | | |
| MAX | | | | | 88 | 88 | 110 | 0 | 0 | | | |
| MIN | | | | | 0 | 5.5 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 1,050 | 3,020 | 2,380 | 0 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 37 | 0 | | | | |
| 2 | | | | | | 0 | 45 | 33 | | | | |
| 3 | | | | | | 0 | 45 | 58 | | | | |
| 4 | | | | | | 0 | 45 | 77 | | | | |
| 5 | | | | | | 0 | 32 | 83 | | | | |
| 6 | | | | | | 0 | 0 | 83 | | | | |
| 7 | | | | | | 0 | 0 | 83 | | | | |
| 8 | | | | | | 0 | 0 | 83 | | | | |
| 9 | | | | | | 0 | 0 | 77 | | | | |
| 10 | | | | | | 0 | 0 | 68 | | | | |
| 11 | | | | | | 0 | 0 | 68 | | | | |
| 12 | | | | | | 0 | 0 | 68 | | | | |
| 13 | | | | | | 0 | 0 | 73 | | | | |
| 14 | | | | | | 16 | 0 | 73 | | | | |
| 15 | | | | | | 22 | 0 | 73 | | | | |
| 16 | | | | | | 29 | 0 | 73 | | | | |
| 17 | | | | | | 33 | 0 | 73 | | | | |
| 18 | | | | | | 37 | 0 | 73 | | | | |
| 19 | | | | | | 37 | 0 | 73 | | | | |
| 20 | | | | | | 33 | 0 | 77 | | | | |
| 21 | | | | | | 37 | 0 | 77 | | | | |
| 22 | | | | | | 33 | 0 | 77 | | | | |
| 23 | | | | | | 29 | 0 | 35 | | | | |
| 24 | | | | | | 29 | 0 | 0 | | | | |
| 25 | | | | | | 26 | 0 | 0 | | | | |
| 26 | | | | | | 23 | 0 | 0 | | | | |
| 27 | | | | | | 19 | 0 | 0 | | | | |
| 28 | | | | | | 19 | 0 | 0 | | | | |
| 29 | | ------ | | | | 29 | 0 | 0 | | | | |
| 30 | | ------ | | | | 33 | 0 | 0 | | | | |
| 31 | | ------ | | ------ | | ------ | 0 | 0 | ------ | | ------ | |
| TOTAL | | | | | 0 | 484 | 204 | 1,558 | 0 | | | |
| MEAN | | | | | 0 | 16.1 | 6.58 | 50.3 | 0 | | | |
| MAX | | | | | 0 | 37 | 45 | 83 | 0 | | | |
| MIN | | | | | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 0 | 960 | 405 | 3,090 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 34 | 71 | 71 | 38 | 34 | | | |
| 2 | | | | | 38 | 71 | 71 | 38 | 34 | | | |
| 3 | | | | | 42 | 61 | 66 | 42 | 34 | | | |
| 4 | | | | | 51 | 56 | 61 | 42 | 34 | | | |
| 5 | | | | | 56 | 51 | 61 | 42 | 34 | | | |
| 6 | | | | | 51 | 51 | 56 | 42 | 34 | | | |
| 7 | | | | | 46 | 51 | 56 | 38 | 34 | | | |
| 8 | | | | | 66 | 51 | 61 | 38 | 34 | | | |
| 9 | | | | | 76 | 51 | 56 | 38 | 30 | | | |
| 10 | | | | | 93 | 46 | 51 | 38 | 30 | | | |
| 11 | | | | | 99 | 46 | 51 | 42 | 30 | | | |
| 12 | | | | | 124 | 46 | 46 | 42 | 27 | | | |
| 13 | | | | | 131 | 46 | 46 | 42 | 27 | | | |
| 14 | | | | | 117 | 46 | 46 | 42 | 27 | | | |
| 15 | | | | | 111 | 51 | 42 | 42 | 27 | | | |
| 16 | | | | | 105 | 51 | 42 | 38 | 27 | | | |
| 17 | | | | | 105 | 42 | 42 | 38 | 27 | | | |
| 18 | | | | | 93 | 38 | 42 | 38 | 27 | | | |
| 19 | | | | | 87 | 38 | 42 | 42 | 27 | | | |
| 20 | | | | | 81 | 51 | 38 | 42 | 27 | | | |
| 21 | | | | | 81 | 71 | 38 | 42 | 27 | | | |
| 22 | | | | | 76 | 81 | 38 | 42 | 27 | | | |
| 23 | | | | | 76 | 81 | 38 | 42 | 27 | | | |
| 24 | | | | | 76 | 81 | 38 | 42 | 24 | | | |
| 25 | | | | | 76 | 81 | 38 | 42 | 24 | | | |
| 26 | | | | | 76 | 93 | 38 | 42 | 21 | | | |
| 27 | | | | | 76 | 87 | 38 | 42 | 21 | | | |
| 28 | | | | | 76 | 81 | 38 | 38 | 21 | | | |
| 29 | | ------ | | | 76 | 76 | 38 | 30 | 21 | | | |
| 30 | | ------ | | | 76 | 76 | 38 | 30 | 21 | | | |
| 31 | | ------ | | ------ | 76 | ------ | 38 | 30 | ------ | | ------ | |
| TOTAL | | | | | 2,447 | 1,823 | 1,465 | 1,226 | 839 | | | |
| MEAN | | | | | 78.9 | 60.8 | 47.3 | 39.5 | 28.0 | | | |
| MAX | | | | | 131 | 93 | 71 | 42 | 34 | | | |
| MIN | | | | | 34 | 38 | 38 | 30 | 21 | | | |
| AC-FT | | | | | 4,850 | 3,620 | 2,910 | 2,430 | 1,660 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK MUSSELSHELL RIVER BELOW BAIR RESERVOI NUMBER 40A 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 51 | 34 | 30 | 21 | | | |
| 2 | | | | | 0 | 51 | 34 | 30 | 21 | | | |
| 3 | | | | | 38 | 46 | 34 | 30 | 21 | | | |
| 4 | | | | | 42 | 42 | 34 | 30 | 24 | | | |
| 5 | | | | | 42 | 38 | 34 | 27 | 27 | | | |
| 6 | | | | | 42 | 38 | 34 | 27 | 27 | | | |
| 7 | | | | | 42 | 34 | 34 | 27 | 27 | | | |
| 8 | | | | | 42 | 34 | 34 | 21 | 27 | | | |
| 9 | | | | | 42 | 34 | 34 | 21 | 24 | | | |
| 10 | | | | | 42 | 34 | 34 | 21 | 24 | | | |
| 11 | | | | | 46 | 34 | 34 | 21 | 21 | | | |
| 12 | | | | | 46 | 34 | 34 | 18 | 21 | | | |
| 13 | | | | | 51 | 34 | 30 | 18 | 18 | | | |
| 14 | | | | | 51 | 34 | 30 | 18 | 18 | | | |
| 15 | | | | | 51 | 34 | 30 | 18 | 18 | | | |
| 16 | | | | | 51 | 34 | 27 | 18 | 18 | | | |
| 17 | | | | | 56 | 34 | 27 | 18 | 18 | | | |
| 18 | | | | | 56 | 34 | 27 | 9.0 | 18 | | | |
| 19 | | | | | 56 | 34 | 27 | 0 | 18 | | | |
| 20 | | | | | 51 | 34 | 27 | 0 | 18 | | | |
| 21 | | | | | 51 | 34 | 27 | 0 | 18 | | | |
| 22 | | | | | 51 | 34 | 27 | 0 | 18 | | | |
| 23 | | | | | 51 | 34 | 27 | 0 | 18 | | | |
| 24 | | | | | 51 | 34 | 27 | 0 | 18 | | | |
| 25 | | | | | 56 | 34 | 27 | 0 | 18 | | | |
| 26 | | | | | 51 | 34 | 27 | 0 | 18 | | | |
| 27 | | | | | 51 | 34 | 27 | 0 | 18 | | | |
| 28 | | | | | 51 | 34 | 27 | 11 | 18 | | | |
| 29 | | | | | 51 | 34 | 27 | 21 | 18 | | | |
| 30 | | ------ | | | 51 | 34 | 27 | 21 | 18 | | | |
| 31 | | ------ | | ------ | 51 | ------ | 27 | 21 | ------ | | ------ | |
| TOTAL | | | | 0 | 1,413 | 1,082 | 930 | 476.0 | 609 | | | |
| MEAN | | | | 0 | 45.6 | 36.1 | 30.0 | 15.4 | 20.3 | | | |
| MAX | | | | 0 | 56 | 51 | 34 | 30 | 27 | | | |
| MIN | | | | 0 | 0 | 34 | 27 | 0 | 18 | | | |
| AC-FT | | | | 0 | 2,800 | 2,150 | 1,840 | 944 | 1,210 | | | |

40A 03000 North Fork Diversion Canal Below Headgate near Martinsdale, MT

LOCATION -- Lat 46° 32' 00", long 110° 25' 00", in SE¼ SW¼ SW¼ Sec. 13, T. 9 N., R. 10 E., Meagher County, on right bank, 0.1 mi (0.2 km) downstream from headgate which is at river mile 11.9 (19.1 km) upstream from confluence with South Fork Musselshell River, 7 mi (11 km) northwest of Martinsdale.

DRAINAGE AREA -- Above canal headgate 181 sq. mi (469 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,950 ft (1,509 m) from topography map.

AVERAGE DISCHARGE -- 1961 to 1976 - 6,000 AF/season (7.37 cu. hm/season).

EXTREMES - Period of record: Maximum discharge, 132 $ft^3/s$ (3.74 $m^3/s$) June 14, 1967. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of no gage height record or period of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 4DA 03000

DISCHARGE, IN CUBIC FEET RER SECOND, CALENDAR YEAR 1961

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | D | 31 | 22 | | | | |
| 2 | | | | | | 0 | 31 | 18 | | | | |
| 3 | | | | | | 0 | 31 | 16 | | | | |
| 4 | | | | | | 0 | 23 | 16 | | | | |
| 5 | | | | | | D | 12 | 14 | | | | |
| 6 | | | | | | 0 | 12 | 14 | | | | |
| 7 | | | | | | D | 12 | 16 | | | | |
| 8 | | | | | | 0 | 11 | 16 | | | | |
| 9 | | | | | | 0 | 7.5 | 18 | | | | |
| 10 | | | | | | 3.0 | 15 | 18 | | | | |
| 11 | | | | | | 6.D | 8.D | 16 | | | | |
| 12 | | | | | | 2.3 | 8.0 | 12 | | | | |
| 13 | | | | | | 0 | 8.D | 10 | | | | |
| 14 | | | | | | D | 1D | 8.0 | | | | |
| 15 | | | | | | D | 10 | 8.D | | | | |
| 16 | | | | | | 0 | 12 | 6.D | | | | |
| 17 | | | | | | 0 | 14 | 8.0 | | | | |
| 18 | | | | | | 0 | 22 | 8.0 | | | | |
| 19 | | | | | | 6.0 | 30 | 8.0 | | | | |
| 20 | | | | | | 7.5 | 32 | 6.D | | | | |
| 21 | | | | | | 7.5 | 32 | 6.0 | | | | |
| 22 | | | | | | 9.0 | 37 | 0 | | | | |
| 23 | | | | | | 17 | 41 | D | | | | |
| 24 | | | | | | 21 | 41 | 0 | | | | |
| 25 | | | | | | 21 | 43 | 0 | | | | |
| 26 | | | | | | 21 | 45 | D | | | | |
| 27 | | | | | | 23 | 45 | 0 | | | | |
| 28 | | | | | | 27 | 47 | 0 | | | | |
| 29 | | ------ | | | | 31 | 43 | D | | | | |
| 30 | | ------ | | | | 31 | 39 | 0 | | | | |
| 31 | | ------ | | ------ | | ------ | 30 | 0 | ------ | | ------ | |
| TOTAL | | | | | | 233.3 | 782.5 | 264.D | | | | |
| MEAN | | | | | | 7.78 | 25.2 | 8.52 | | | | |
| MAX | | | | | | 31 | 47 | 22 | | | | |
| MIN | | | | | | D | 7.5 | 0 | | | | |
| AC-FT | | | | | | 463 | 1,550 | 524 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 4DA 0300D

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SER | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | .75 | 0 | 0 | 7.5 | | | | |
| 2 | | | | | .75 | 0 | D | 5.5 | | | | |
| 3 | | | | | .75 | 0 | 0 | 3.D | | | | |
| 4 | | | | | .75 | 0 | 0 | 5.5 | | | | |
| 5 | | | | | .75 | 0 | 0 | 17 | | | | |
| 6 | | | | | .75 | 0 | 0 | 17 | | | | |
| 7 | | | | | .75 | D | 0 | 17 | | | | |
| 8 | | | | | .75 | D | 0 | 19 | | | | |
| 9 | | | | | .75 | 0 | 0 | 17 | | | | |
| 10 | | | | | .75 | 0 | 0 | 19 | | | | |
| 11 | | | | | .75 | 0 | D | 19 | | | | |
| 12 | | | | | .75 | D | D | 19 | | | | |
| 13 | | | | | .75 | 0 | 0 | 23 | | | | |
| 14 | | | | | .75 | 0 | 0 | 38 | | | | |
| 15 | | | | | .75 | 0 | 0 | 33 | | | | |
| 16 | | | | | .75 | D | D | 25 | | | | |
| 17 | | | | | .75 | D | 0 | 25 | | | | |
| 18 | | | | | .75 | .75 | 0 | 27 | | | | |
| 19 | | | | | .75 | .75 | D | 27 | | | | |
| 20 | | | | | 1.5 | .75 | D | 27 | | | | |
| 21 | | | | | 1.5 | 5.5 | D | 25 | | | | |
| 22 | | | | | 1.5 | 4.0 | 0 | 27 | | | | |
| 23 | | | | | 1.5 | 0 | D | 27 | | | | |
| 24 | | | | | 1.5 | D | 0 | 27 | | | | |
| 25 | | | | | 25 | 0 | D | 27 | | | | |
| 26 | | | | | 107 | 0 | 0 | 27 | | | | |
| 27 | | | | | 72 | 0 | 3.D | 27 | | | | |
| 28 | | | | | 27 | D | 7.5 | 12 | | | | |
| 29 | | ------ | | | 9.5 | D | 7.5 | 0 | | | | |
| 30 | | ------ | | | 3.D | D | 7.5 | 0 | | | | |
| 31 | | ------ | | ------ | .75 | ------ | 7.5 | D | ------ | | ------ | |
| TOTAL | | | | | 266.DO | 11.75 | 33.D | 589.5 | D | | | |
| MEAN | | | | | 8.58 | .39 | 1.06 | 19.D | D | | | |
| MAX | | | | | 107 | 5.5 | 7.5 | 38 | 0 | | | |
| MIN | | | | | .75 | 0 | D | D | D | | | |
| AC-FT | | | | | 528 | 23 | 65 | 1,170 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 3.5 | 5.5 | 9.5 | 63 | | | | |
| 2 | | | | | 3.5 | 5.5 | 11 | 63 | | | | |
| 3 | | | | | 2.5 | 5.5 | 11 | 65 | | | | |
| 4 | | | | | 2.5 | 5.5 | 12 | 68 | | | | |
| 5 | | | | | 3.5 | 6.5 | 14 | 68 | | | | |
| 6 | | | | | 3.5 | 6.5 | 14 | 68 | | | | |
| 7 | | | | | 3.5 | 6.5 | 15 | 70 | | | | |
| 8 | | | | | 3.5 | 7.5 | 17 | 70 | | | | |
| 9 | | | | | 5.5 | 7.5 | 17 | 70 | | | | |
| 10 | | | | | 5.5 | 8.5 | 18 | 72 | | | | |
| 11 | | | | | 6.5 | 8.5 | 20 | 72 | | | | |
| 12 | | | | | 6.5 | 8.5 | 20 | 75 | | | | |
| 13 | | | | | 5.5 | 8.5 | 18 | 70 | | | | |
| 14 | | | | | 4.5 | 9.5 | 20 | 72 | | | | |
| 15 | | | | | 4.5 | 11 | 20 | 72 | | | | |
| 16 | | | | | 4.5 | 11 | 20 | 75 | | | | |
| 17 | | | | | 4.5 | 11 | 22 | 75 | | | | |
| 18 | | | | | 4.5 | 12 | 22 | 75 | | | | |
| 19 | | | | | 3.5 | 12 | 22 | 75 | | | | |
| 20 | | | | | 3.5 | 14 | 22 | 77 | | | | |
| 21 | | | | | 3.5 | 17 | 22 | 77 | | | | |
| 22 | | | | | 3.5 | 18 | 22 | 82 | | | | |
| 23 | | | | | 3.5 | 18 | 23 | 100 | | | | |
| 24 | | | | | 3.5 | 20 | 27 | 100 | | | | |
| 25 | | | | | 4.5 | 15 | 56 | 100 | | | | |
| 26 | | | | | 4.5 | 7.5 | 59 | 100 | | | | |
| 27 | | | | | 4.5 | 7.5 | 59 | 102 | | | | |
| 28 | | | | | 4.5 | 8.5 | 59 | 110 | | | | |
| 29 | | ------ | | | 4.5 | 8.5 | 61 | 110 | | | | |
| 30 | | ------ | | | 4.5 | 9.5 | 61 | 110 | | | | |
| 31 | | ------ | | ------ | 4.5 | ------ | 61 | 110 | ------ | | ------ | |
| TOTAL | | | | | 130.5 | 300.5 | 854.5 | 2,516 | | | | |
| MEAN | | | | | 4.21 | 10.0 | 27.6 | 81.2 | | | | |
| MAX | | | | | 6.5 | 20 | 61 | 110 | | | | |
| MIN | | | | | 2.5 | 5.5 | 9.5 | 63 | | | | |
| AC-FT | | | | | 259 | 596 | 1,690 | 4,990 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | .50 | 14 | 96 | | | | |
| 2 | | | | | 0 | .50 | 15 | 96 | | | | |
| 3 | | | | | 0 | .50 | 17 | 98 | | | | |
| 4 | | | | | 0 | .50 | 18 | 98 | | | | |
| 5 | | | | | 0 | 1.5 | 20 | 100 | | | | |
| 6 | | | | | 0 | 1.5 | 22 | 105 | | | | |
| 7 | | | | | 0 | 1.5 | 24 | 107 | | | | |
| 8 | | | | | 0 | 2.5 | 25 | 107 | | | | |
| 9 | | | | | 0 | 15 | 27 | 110 | | | | |
| 10 | | | | | 0 | 11 | 27 | 112 | | | | |
| 11 | | | | | 0 | 7.5 | 29 | 114 | | | | |
| 12 | | | | | 0 | 5.5 | 31 | 114 | | | | |
| 13 | | | | | 0 | 3.5 | 33 | 117 | | | | |
| 14 | | | | | 0 | 3.5 | 35 | 117 | | | | |
| 15 | | | | | 0 | 3.5 | 37 | 117 | | | | |
| 16 | | | | | 0 | 4.0 | 37 | 117 | | | | |
| 17 | | | | | 0 | 4.0 | 41 | 117 | | | | |
| 18 | | | | | 0 | 5.5 | 61 | 117 | | | | |
| 19 | | | | | 0 | 6.5 | 68 | 119 | | | | |
| 20 | | | | | 0 | 7.5 | 68 | 119 | | | | |
| 21 | | | | | 0 | 7.5 | 70 | 117 | | | | |
| 22 | | | | | 0 | 7.5 | 72 | 117 | | | | |
| 23 | | | | | 0 | 7.5 | 72 | 119 | | | | |
| 24 | | | | | 0 | 7.5 | 75 | 117 | | | | |
| 25 | | | | | 0 | 8.5 | 77 | 105 | | | | |
| 26 | | | | | 0 | 9.5 | 77 | 105 | | | | |
| 27 | | | | | 0 | 11 | 77 | 105 | | | | |
| 28 | | | | | 0 | 11 | 77 | 105 | | | | |
| 29 | | | | | .50 | 12 | 84 | 59 | | | | |
| 30 | | ------ | | | .50 | 14 | 94 | 17 | | | | |
| 31 | | ------ | | ------ | .50 | ------ | 94 | 5.5 | ------ | | ------ | |
| TOTAL | | | | | 1.50 | 182.00 | 1,518 | 3,168.5 | | | | |
| MEAN | | | | | .048 | 6.07 | 49.0 | 102 | | | | |
| MAX | | | | | .50 | 15 | 94 | 119 | | | | |
| MIN | | | | | 0 | .50 | 14 | 5.5 | | | | |
| AC-FT | | | | | 3.0 | 361 | 3,010 | 6,280 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 6.5 | 9.5 | 35 | | | | |
| 2 | | | | | | 6.5 | 9.5 | 35 | | | | |
| 3 | | | | | | 7.5 | 9.5 | 35 | | | | |
| 4 | | | | | | 7.5 | 9.5 | 35 | | | | |
| 5 | | | | | | 8.5 | 9.5 | 35 | | | | |
| 6 | | | | | | 10 | 9.5 | 35 | | | | |
| 7 | | | | | | 12 | 9.5 | 35 | | | | |
| 8 | | | | | | 12 | 9.5 | 35 | | | | |
| 9 | | | | | | 7.5 | 9.5 | 35 | | | | |
| 10 | | | | | | 5.5 | 9.5 | 35 | | | | |
| 11 | | | | | | 6.5 | 14 | 35 | | | | |
| 12 | | | | | | 6.5 | 17 | 35 | | | | |
| 13 | | | | | | 7.5 | 17 | 35 | | | | |
| 14 | | | | | | 7.5 | 17 | 45 | | | | |
| 15 | | | | | | 7.5 | 17 | 56 | | | | |
| 16 | | | | | | 12 | 17 | 64 | | | | |
| 17 | | | | | | 23 | 17 | 64 | | | | |
| 18 | | | | | | 11 | 17 | 64 | | | | |
| 19 | | | | | | 8.5 | 17 | 64 | | | | |
| 20 | | | | | | 7.5 | 17 | 64 | | | | |
| 21 | | | | | | 7.5 | 17 | 64 | | | | |
| 22 | | | | | | 8.5 | 17 | 64 | | | | |
| 23 | | | | | | 8.5 | 17 | 53 | | | | |
| 24 | | | | | | 8.5 | 17 | 21 | | | | |
| 25 | | | | | | 11 | 23 | 21 | | | | |
| 26 | | | | | | 11 | 23 | 21 | | | | |
| 27 | | | | | | 9.5 | 23 | 21 | | | | |
| 28 | | | | | | 9.5 | 23 | 21 | | | | |
| 29 | | ------ | | | | 9.5 | 23 | 21 | | | | |
| 30 | | ------ | | | | 9.5 | 23 | 11 | | | | |
| 31 | | ------ | | ------ | | ------ | 35 | 0 | ------ | | ------ | |
| TOTAL | | | | | | 274.0 | 503.0 | 1,194 | 0 | | | |
| MEAN | | | | | | 9.13 | 16.2 | 38.5 | 0 | | | |
| MAX | | | | | | 23 | 35 | 64 | 0 | | | |
| MIN | | | | | | 5.5 | 9.5 | 0 | 0 | | | |
| AC-FT | | | | | | 543 | 998 | 2,370 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 13 | 13 | 20 | 81 | 38 | | | |
| 2 | | | | | 13 | 13 | 20 | 81 | 38 | | | |
| 3 | | | | | 14 | 13 | 20 | 81 | 38 | | | |
| 4 | | | | | 14 | 13 | 20 | 81 | 38 | | | |
| 5 | | | | | 16 | 13 | 20 | 81 | 38 | | | |
| 6 | | | | | 16 | 13 | 20 | 77 | 36 | | | |
| 7 | | | | | 14 | 13 | 20 | 77 | 36 | | | |
| 8 | | | | | 14 | 13 | 20 | 81 | 34 | | | |
| 9 | | | | | 15 | 13 | 20 | 81 | 33 | | | |
| 10 | | | | | 14 | 16 | 20 | 77 | 33 | | | |
| 11 | | | | | 15 | 19 | 20 | 70 | 33 | | | |
| 12 | | | | | 15 | 19 | 20 | 70 | 33 | | | |
| 13 | | | | | 14 | 18 | 20 | 70 | 33 | | | |
| 14 | | | | | 14 | 18 | 16 | 70 | 33 | | | |
| 15 | | | | | 14 | 18 | 0 | 66 | 33 | | | |
| 16 | | | | | 14 | 18 | 0 | 66 | 26 | | | |
| 17 | | | | | 13 | 19 | 0 | 63 | 18 | | | |
| 18 | | | | | 13 | 19 | 0 | 63 | 18 | | | |
| 19 | | | | | 13 | 19 | 0 | 56 | 18 | | | |
| 20 | | | | | 13 | 19 | 0 | 56 | 17 | | | |
| 21 | | | | | 13 | 19 | 0 | 56 | 14 | | | |
| 22 | | | | | 14 | 19 | 0 | 56 | 0 | | | |
| 23 | | | | | 13 | 19 | 0 | 53 | 0 | | | |
| 24 | | | | | 13 | 19 | 0 | 53 | 0 | | | |
| 25 | | | | | 13 | 19 | 0 | 53 | 0 | | | |
| 26 | | | | | 13 | 19 | 0 | 53 | 0 | | | |
| 27 | | | | | 13 | 19 | 14 | 48 | 0 | | | |
| 28 | | | | | 13 | 19 | 41 | 41 | 0 | | | |
| 29 | | ------ | | | 13 | 19 | 50 | 41 | 0 | | | |
| 30 | | ------ | | | 13 | 19 | 56 | 41 | 0 | | | |
| 31 | | ------ | | ------ | 13 | ------ | 81 | 38 | ------ | | ------ | |
| TOTAL | | | | | 425 | 509 | 518 | 1,981 | 638 | | | |
| MEAN | | | | | 13.7 | 17.0 | 16.7 | 63.9 | 21.3 | | | |
| MAX | | | | | 16 | 19 | 81 | 81 | 38 | | | |
| MIN | | | | | 13 | 13 | 0 | 38 | 0 | | | |
| AC-FT | | | | | 843 | 1,010 | 1,030 | 3,930 | 1,270 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 85 | 0 | 25 | 42 | | | |
| 2 | | | | | 0 | 49 | 0 | 25 | 42 | | | |
| 3 | | | | | 0 | 30 | 0 | 23 | 42 | | | |
| 4 | | | | | 0 | 27 | 0 | 17 | 42 | | | |
| 5 | | | | | 0 | 21 | 0 | 19 | 39 | | | |
| 6 | | | | | 0 | 14 | 0 | 19 | 25 | | | |
| 7 | | | | | 0 | 17 | 0 | 19 | 23 | | | |
| 8 | | | | | 0 | 23 | 0 | 19 | 25 | | | |
| 9 | | | | | 0 | 14 | 0 | 17 | 25 | | | |
| 10 | | | | | 1.5 | 13 | 0 | 17 | 25 | | | |
| 11 | | | | | .75 | 14 | 0 | 21 | 25 | | | |
| 12 | | | | | 0 | 21 | 0 | 32 | 25 | | | |
| 13 | | | | | 0 | 68 | 0 | 32 | 25 | | | |
| 14 | | | | | 0 | 132 | 0 | 30 | 25 | | | |
| 15 | | | | | 0 | 89 | 0 | 30 | 25 | | | |
| 16 | | | | | 0 | 53 | 0 | 30 | 25 | | | |
| 17 | | | | | .75 | 33 | 0 | 30 | 25 | | | |
| 18 | | | | | 7.5 | 30 | 0 | 35 | 25 | | | |
| 19 | | | | | 12 | 23 | 0 | 45 | 25 | | | |
| 20 | | | | | 11 | 12 | 0 | 42 | 25 | | | |
| 21 | | | | | 12 | 9.5 | 0 | 42 | 25 | | | |
| 22 | | | | | 19 | 12 | 0 | 42 | 23 | | | |
| 23 | | | | | 33 | 11 | 0 | 45 | 17 | | | |
| 24 | | | | | 33 | 7.5 | 0 | 42 | 17 | | | |
| 25 | | | | | 12 | 4.6 | 0 | 42 | 13 | | | |
| 26 | | | | | 3.8 | 2.3 | 0 | 45 | 13 | | | |
| 27 | | | | | .75 | 1.5 | 0 | 42 | 13 | | | |
| 28 | | | | | 0 | .75 | 7.2 | 45 | 12 | | | |
| 29 | | ------ | | | 0 | 0 | 27 | 45 | 11 | | | |
| 30 | | ------ | | | 33 | 0 | 27 | 42 | 9.5 | | | |
| 31 | | ------ | | ------ | 112 | ------ | 27 | 42 | ------ | | ------ | |
| TOTAL | | | | | 292.05 | 817.15 | 88.2 | 1,001 | 733.5 | | | |
| MEAN | | | | | 9.42 | 27.2 | 2.85 | 32.3 | 24.5 | | | |
| MAX | | | | | 112 | 132 | 27 | 45 | 42 | | | |
| MIN | | | | | 0 | 0 | 0 | 17 | 9.5 | | | |
| AC-FT | | | | | 579 | 1,620 | 175 | 1,990 | 1,450 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 14 | 34 | 33 | 63 | | | |
| 2 | | | | | 0 | 13 | 34 | 33 | 63 | | | |
| 3 | | | | | 0 | 14 | 34 | 33 | 63 | | | |
| 4 | | | | | 0 | 14 | 34 | 36 | 59 | | | |
| 5 | | | | | 0 | 15 | 34 | 59 | 59 | | | |
| 6 | | | | | 0 | 15 | 34 | 59 | 59 | | | |
| 7 | | | | | 0 | 16 | 34 | 59 | 59 | | | |
| 8 | | | | | 0 | 16 | 34 | 59 | 50 | | | |
| 9 | | | | | 0 | 17 | 34 | 59 | 44 | | | |
| 10 | | | | | 0 | 19 | 34 | 70 | 12 | | | |
| 11 | | | | | 0 | 19 | 34 | 70 | 0 | | | |
| 12 | | | | | 0 | 19 | 34 | 70 | 0 | | | |
| 13 | | | | | 0 | 19 | 34 | 70 | 0 | | | |
| 14 | | | | | 0 | 19 | 34 | 70 | 0 | | | |
| 15 | | | | | 11 | 18 | 34 | 66 | 0 | | | |
| 16 | | | | | 0 | 22 | 34 | 66 | 11 | | | |
| 17 | | | | | 0 | 26 | 34 | 66 | 12 | | | |
| 18 | | | | | 0 | 25 | 34 | 66 | 13 | | | |
| 19 | | | | | 0 | 25 | 34 | 66 | 12 | | | |
| 20 | | | | | 0 | 34 | 34 | 63 | 0 | | | |
| 21 | | | | | 0 | 34 | 34 | 63 | 0 | | | |
| 22 | | | | | 13 | 34 | 34 | 63 | 11 | | | |
| 23 | | | | | 14 | 34 | 34 | 63 | 13 | | | |
| 24 | | | | | 16 | 34 | 34 | 63 | 13 | | | |
| 25 | | | | | 18 | 34 | 30 | 63 | 13 | | | |
| 26 | | | | | 16 | 34 | 0 | 63 | 13 | | | |
| 27 | | | | | 16 | 34 | 0 | 63 | 13 | | | |
| 28 | | | | | 15 | 34 | 12 | 63 | 13 | | | |
| 29 | | | | | 15 | 34 | 13 | 63 | 13 | | | |
| 30 | | ------ | | | 16 | 34 | 20 | 63 | 13 | | | |
| 31 | | ------ | | ------ | 15 | ------ | 33 | 63 | ------ | | ------ | |
| TOTAL | | | | | 165 | 719 | 924 | 1,866 | 694 | | | |
| MEAN | | | | | 5.32 | 24.0 | 29.8 | 60.2 | 23.1 | | | |
| MAX | | | | | 18 | 34 | 34 | 70 | 63 | | | |
| MIN | | | | | 0 | 13 | 0 | 33 | 0 | | | |
| AC-FT | | | | | 327 | 1,430 | 1,830 | 3,700 | 1,380 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 38 | 30 | 34 | 48 | | | |
| 2 | | | | | 0 | 38 | 30 | 32 | 60 | | | |
| 3 | | | | | 0 | 21 | 28 | 32 | 50 | | | |
| 4 | | | | | 0 | 21 | 28 | 36 | 34 | | | |
| 5 | | | | | 0 | 21 | 26 | 50 | 26 | | | |
| 6 | | | | | 0 | 21 | 26 | 65 | 26 | | | |
| 7 | | | | | 0 | 22 | 22 | 65 | 24 | | | |
| 8 | | | | | 0 | 22 | 22 | 75 | 24 | | | |
| 9 | | | | | 0 | 24 | 21 | 75 | 24 | | | |
| 10 | | | | | 0 | 26 | 19 | 75 | 22 | | | |
| 11 | | | | | 0 | 28 | 19 | 75 | 22 | | | |
| 12 | | | | | 0 | 30 | 18 | 73 | 18 | | | |
| 13 | | | | | 0 | 32 | 16 | 73 | 10 | | | |
| 14 | | | | | 0 | 34 | 13 | 73 | 0 | | | |
| 15 | | | | | 0 | 34 | 18 | 73 | 0 | | | |
| 16 | | | | | 0 | 36 | 16 | 73 | 0 | | | |
| 17 | | | | | 0 | 36 | 18 | 70 | 0 | | | |
| 18 | | | | | 0 | 38 | 18 | 68 | 0 | | | |
| 19 | | | | | 0 | 38 | 19 | 68 | 0 | | | |
| 20 | | | | | 0 | 38 | 23 | 63 | 0 | | | |
| 21 | | | | | 0 | 42 | 23 | 63 | 0 | | | |
| 22 | | | | | 0 | 40 | 21 | 60 | 0 | | | |
| 23 | | | | | 0 | 42 | 18 | 60 | 0 | | | |
| 24 | | | | | 0 | 34 | 18 | 60 | 0 | | | |
| 25 | | | | | 0 | 36 | 19 | 60 | 0 | | | |
| 26 | | | | | 0 | 38 | 18 | 63 | 0 | | | |
| 27 | | | | | 0 | 34 | 21 | 63 | 0 | | | |
| 28 | | | | | 4.0 | 34 | 22 | 63 | 0 | | | |
| 29 | | ------ | | | 38 | 32 | 24 | 60 | 0 | | | |
| 30 | | ------ | | | 38 | 32 | 32 | 60 | 0 | | | |
| 31 | | ------ | | ------ | 38 | ------ | 32 | 55 | ------ | | ------ | |
| TOTAL | | | | | 118.0 | 962 | 678 | 1,915 | 388 | | | |
| MEAN | | | | | 3.81 | 32.1 | 21.9 | 61.8 | 12.9 | | | |
| MAX | | | | | 38 | 42 | 32 | 75 | 60 | | | |
| MIN | | | | | 0 | 21 | 13 | 32 | 0 | | | |
| AC-FT | | | | | 234 | 1,910 | 1,340 | 3,800 | 770 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 19 | 16 | 32 | 3.0 | 65 | | | |
| 2 | | | | | 19 | 15 | 34 | 2.0 | 63 | | | |
| 3 | | | | | 19 | 13 | 34 | 3.0 | 63 | | | |
| 4 | | | | | 19 | 13 | 34 | 2.0 | 60 | | | |
| 5 | | | | | 19 | 12 | 34 | 6.3 | 60 | | | |
| 6 | | | | | 19 | 12 | 24 | 34 | 58 | | | |
| 7 | | | | | 19 | 12 | 18 | 34 | 58 | | | |
| 8 | | | | | 19 | 10 | 19 | 34 | 63 | | | |
| 9 | | | | | 19 | 10 | 19 | 34 | 53 | | | |
| 10 | | | | | 19 | 10 | 19 | 34 | 24 | | | |
| 11 | | | | | 19 | 10 | 19 | 34 | 22 | | | |
| 12 | | | | | 19 | 10 | 15 | 36 | 22 | | | |
| 13 | | | | | 18 | 15 | 8.8 | 34 | 22 | | | |
| 14 | | | | | 16 | 24 | 7.5 | 36 | 22 | | | |
| 15 | | | | | 16 | 24 | 7.5 | 36 | 22 | | | |
| 16 | | | | | 19 | 24 | 7.5 | 34 | 22 | | | |
| 17 | | | | | 32 | 30 | 7.5 | 36 | 22 | | | |
| 18 | | | | | 53 | 32 | 7.5 | 36 | 22 | | | |
| 19 | | | | | 46 | 32 | 7.5 | 46 | 22 | | | |
| 20 | | | | | 68 | 32 | 7.5 | 73 | 22 | | | |
| 21 | | | | | 58 | 32 | 7.5 | 70 | 22 | | | |
| 22 | | | | | 42 | 32 | 7.5 | 70 | 22 | | | |
| 23 | | | | | 38 | 30 | 6.3 | 70 | 22 | | | |
| 24 | | | | | 26 | 30 | 6.3 | 70 | 22 | | | |
| 25 | | | | | 22 | 32 | 5.0 | 70 | 22 | | | |
| 26 | | | | | 22 | 32 | 5.0 | 78 | 22 | | | |
| 27 | | | | | 22 | 32 | 4.0 | 80 | 22 | | | |
| 28 | | | | | 21 | 32 | 5.0 | 80 | 22 | | | |
| 29 | | ------ | | | 19 | 32 | 4.0 | 78 | 22 | | | |
| 30 | | ------ | | | 18 | 32 | 4.0 | 80 | 22 | | | |
| 31 | | ------ | | ------ | 18 | ------ | 3.0 | 75 | ------ | | ------ | |
| TOTAL | | | | | 802 | 672 | 419.9 | 1,408.3 | 1,007 | | | |
| MEAN | | | | | 25.9 | 22.4 | 13.5 | 45.4 | 33.6 | | | |
| MAX | | | | | 68 | 32 | 34 | 80 | 65 | | | |
| MIN | | | | | 16 | 10 | 3.0 | 2.0 | 22 | | | |
| AC-FT | | | | | 1,590 | 1,330 | 833 | 2,790 | 2,000 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 30 | 22 | 24 | 58 | | | |
| 2 | | | | | | 32 | 22 | 24 | 52 | | | |
| 3 | | | | | | 32 | 24 | 24 | 40 | | | |
| 4 | | | | | | 32 | 26 | 22 | 42 | | | |
| 5 | | | | | | 34 | 26 | 22 | 42 | | | |
| 6 | | | | | | 34 | 19 | 22 | 42 | | | |
| 7 | | | | | | 34 | 2.0 | 20 | 42 | | | |
| 8 | | | | | | 36 | 1.0 | 36 | 40 | | | |
| 9 | | | | | | 34 | 1.0 | 55 | 36 | | | |
| 10 | | | | | | 36 | 1.0 | 55 | 24 | | | |
| 11 | | | | | | 34 | 0 | 55 | 22 | | | |
| 12 | | | | | | 34 | 0 | 55 | 22 | | | |
| 13 | | | | | | 30 | 0 | 58 | 22 | | | |
| 14 | | | | | | 32 | 0 | 58 | 22 | | | |
| 15 | | | | | | 30 | 0 | 60 | 22 | | | |
| 16 | | | | | | 28 | 0 | 58 | 22 | | | |
| 17 | | | | | | 24 | 0 | 58 | 22 | | | |
| 18 | | | | | | 24 | 0 | 58 | 22 | | | |
| 19 | | | | | | 22 | 0 | 65 | 22 | | | |
| 20 | | | | | | 22 | 0 | 62 | 9.2 | | | |
| 21 | | | | | | 22 | 0 | 62 | 0 | | | |
| 22 | | | | | | 22 | 0 | 60 | 0 | | | |
| 23 | | | | | | 24 | 0 | 60 | 0 | | | |
| 24 | | | | | | 26 | 0 | 58 | 0 | | | |
| 25 | | | | | | 26 | 0 | 60 | 0 | | | |
| 26 | | | | | | 19 | 0 | 60 | 0 | | | |
| 27 | | | | | | 22 | 2.9 | 62 | 0 | | | |
| 28 | | | | | | 22 | 26 | 60 | 0 | | | |
| 29 | | ------ | | | | 22 | 26 | 60 | 0 | | | |
| 30 | | ------ | | | | 20 | 26 | 68 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 24 | 60 | ------ | | ------ | |
| TOTAL | | | | | | 839 | 248.9 | 1,561 | 625.2 | | | |
| MEAN | | | | | | 28.0 | 8.03 | 50.4 | 20.8 | | | |
| MAX | | | | | | 36 | 26 | 68 | 58 | | | |
| MIN | | | | | | 19 | 0 | 20 | 0 | | | |
| AC-FT | | | | | | 1,660 | 494 | 3,100 | 1,240 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 21 | 22 | 36 | | | |
| 2 | | | | | | 0 | 21 | 0 | 34 | | | |
| 3 | | | | | | 0 | 21 | 0 | 34 | | | |
| 4 | | | | | | 0 | 21 | 0 | 34 | | | |
| 5 | | | | | | 0 | 21 | 0 | 36 | | | |
| 6 | | | | | | 0 | 21 | 0 | 34 | | | |
| 7 | | | | | | 6.0 | 21 | 0 | 34 | | | |
| 8 | | | | | | 24 | 21 | 0 | 34 | | | |
| 9 | | | | | | 24 | 21 | 0 | 34 | | | |
| 10 | | | | | | 24 | 21 | 0 | 36 | | | |
| 11 | | | | | | 24 | 21 | 8.0 | 34 | | | |
| 12 | | | | | | 24 | 21 | 30 | 34 | | | |
| 13 | | | | | | 24 | 21 | 30 | 34 | | | |
| 14 | | | | | | 24 | 21 | 32 | 32 | | | |
| 15 | | | | | | 24 | 21 | 32 | 30 | | | |
| 16 | | | | | | 24 | 21 | 32 | 30 | | | |
| 17 | | | | | | 24 | 21 | 30 | 30 | | | |
| 18 | | | | | | 24 | 26 | 34 | 28 | | | |
| 19 | | | | | | 24 | 28 | 53 | 21 | | | |
| 20 | | | | | | 24 | 28 | 50 | 16 | | | |
| 21 | | | | | | 24 | 28 | 53 | 16 | | | |
| 22 | | | | | | 24 | 28 | 55 | 15 | | | |
| 23 | | | | | | 24 | 30 | 58 | 15 | | | |
| 24 | | | | | | 24 | 30 | 50 | 15 | | | |
| 25 | | | | | | 24 | 30 | 50 | 15 | | | |
| 26 | | | | | | 21 | 32 | 44 | 15 | | | |
| 27 | | | | | | 21 | 32 | 40 | 15 | | | |
| 28 | | | | | | 21 | 34 | 38 | 13 | | | |
| 29 | | | | | | 21 | 34 | 38 | 9.2 | | | |
| 30 | | ------ | | | | 21 | 34 | 36 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 36 | 36 | ------ | | ------ | |
| TOTAL | | | | | 0 | 543.0 | 787 | 851.0 | 763.2 | | | |
| MEAN | | | | | 0 | 18.1 | 25.4 | 27.5 | 25.4 | | | |
| MAX | | | | | 0 | 24 | 36 | 58 | 36 | | | |
| MIN | | | | | 0 | 0 | 21 | 0 | 0 | | | |
| AC-FT | | | | | 0 | 1,080 | 1,560 | 1,690 | 1,510 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 28 | 34 | | | | | |
| 2 | | | | | 0 | 27 | 34 | | | | | |
| 3 | | | | | 0 | 27 | 34 | | | | | |
| 4 | | | | | 0 | 27 | 34 | | | | | |
| 5 | | | | | 0 | 27 | 37 | | | | | |
| 6 | | | | | 0 | 25 | 39 | | | | | |
| 7 | | | | | 0 | 25 | 42 | | | | | |
| 8 | | | | | 0 | 25 | 55 | | | | | |
| 9 | | | | | 0 | 25 | 52 | | | | | |
| 10 | | | | | 0 | 27 | 49 | | | | | |
| 11 | | | | | 0 | 27 | 51 | | | | | |
| 12 | | | | | 0 | 27 | 48 | | | | | |
| 13 | | | | | 0 | 28 | 39 | | | | | |
| 14 | | | | | 0 | 28 | 39 | | | | | |
| 15 | | | | | 0 | 25 | 39 | | | | | |
| 16 | | | | | 0 | 24 | 39 | | | | | |
| 17 | | | | | 0 | 24 | 36 | | | | | |
| 18 | | | | | 0 | 24 | 36 | | | | | |
| 19 | | | | | 0 | 23 | 37 | | | | | |
| 20 | | | | | 0 | 21 | 34 | | | | | |
| 21 | | | | | 0 | 0 | 21 | | | | | |
| 22 | | | | | 0 | 0 | 0 | | | | | |
| 23 | | | | | 0 | 0 | 0 | | | | | |
| 24 | | | | | 0 | 0 | 0 | | | | | |
| 25 | | | | | 0 | 0 | 0 | | | | | |
| 26 | | | | | 0 | 0 | 0 | | | | | |
| 27 | | | | | 23 | 0 | 0 | | | | | |
| 28 | | | | | 28 | 31 | 0 | | | | | |
| 29 | | ------ | | | 30 | 33 | 0 | | | | | |
| 30 | | ------ | | | 30 | 34 | 0 | | | | | |
| 31 | | ------ | | ------ | 30 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | 141 | 612 | 829 | 0 | | | | |
| MEAN | | | | | 4.55 | 20.4 | 26.7 | 0 | | | | |
| MAX | | | | | 30 | 34 | 55 | 0 | | | | |
| MIN | | | | | 0 | 0 | 0 | 0 | | | | |
| AC-FT | | | | | 280 | 1,210 | 1,640 | 0 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 7.5 | 31 | 0 | 19 | | | |
| 2 | | | | | 0 | 7.5 | 40 | 0 | 19 | | | |
| 3 | | | | | 0 | 6.3 | 42 | 34 | 19 | | | |
| 4 | | | | | 0 | 6.3 | 42 | 37 | 19 | | | |
| 5 | | | | | 0 | 6.3 | 36 | 39 | 19 | | | |
| 6 | | | | | 0 | 6.3 | 19 | 37 | 19 | | | |
| 7 | | | | | 0 | 6.3 | 17 | 39 | 19 | | | |
| 8 | | | | | 0 | 19 | 17 | 39 | 19 | | | |
| 9 | | | | | 0 | 21 | 15 | 33 | 13 | | | |
| 10 | | | | | 0 | 21 | 0 | 22 | 0 | | | |
| 11 | | | | | 0 | 19 | 0 | 21 | 0 | | | |
| 12 | | | | | 0 | 19 | 0 | 21 | 0 | | | |
| 13 | | | | | 0 | 19 | 0 | 22 | 0 | | | |
| 14 | | | | | 0 | 19 | 0 | 24 | 0 | | | |
| 15 | | | | | 0 | 19 | 0 | 22 | 0 | | | |
| 16 | | | | | 0 | 19 | 0 | 22 | 0 | | | |
| 17 | | | | | 0 | 21 | 0 | 22 | 0 | | | |
| 18 | | | | | 0 | 21 | 0 | 22 | 0 | | | |
| 19 | | | | | 0 | 22 | 0 | 23 | 0 | | | |
| 20 | | | | | 0 | 21 | 0 | 28 | 0 | | | |
| 21 | | | | | 0 | 22 | 0 | 27 | 0 | | | |
| 22 | | | | | 0 | 22 | 0 | 23 | 0 | | | |
| 23 | | | | | 0 | 23 | 0 | 19 | 0 | | | |
| 24 | | | | | 0 | 23 | 0 | 11 | 0 | | | |
| 25 | | | | | 0 | 22 | 0 | 13 | 0 | | | |
| 26 | | | | | 1.3 | 17 | 0 | 19 | 0 | | | |
| 27 | | | | | 6.3 | 19 | 0 | 19 | 0 | | | |
| 28 | | | | | 7.5 | 21 | 0 | 19 | 0 | | | |
| 29 | | ------ | | | 7.5 | 21 | 0 | 19 | 0 | | | |
| 30 | | ------ | | | 7.5 | 22 | 0 | 19 | 0 | | | |
| 31 | | ------ | | ------ | 7.5 | ------ | 0 | 19 | ------ | | ------ | |
| TOTAL | | | | | 37.6 | 518.5 | 259 | 714 | 165 | | | |
| MEAN | | | | | 1.21 | 17.3 | 8.35 | 23.0 | 5.50 | | | |
| MAX | | | | | 7.5 | 23 | 42 | 39 | 19 | | | |
| MIN | | | | | 0 | 6.3 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 75 | 1,030 | 514 | 1,420 | 327 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 45 | 12 | 25 | 24 | 21 | | | |
| 2 | | | | 0 | 40 | 12 | 25 | 22 | 21 | | | |
| 3 | | | | 0 | 36 | 10 | 25 | 24 | 21 | | | |
| 4 | | | | 0 | 40 | 10 | 24 | 24 | 21 | | | |
| 5 | | | | 0 | 25 | 10 | 24 | 24 | 21 | | | |
| 6 | | | | 0 | 13 | 10 | 22 | 24 | 21 | | | |
| 7 | | | | 0 | 8.8 | 10 | 22 | 24 | 21 | | | |
| 8 | | | | 0 | 10 | 10 | 21 | 22 | 21 | | | |
| 9 | | | | 0 | 8.8 | 15 | 21 | 24 | 7.5 | | | |
| 10 | | | | 0 | 15 | 19 | 21 | 22 | 0 | | | |
| 11 | | | | 0 | 27 | 19 | 19 | 22 | 7.5 | | | |
| 12 | | | | 0 | 42 | 18 | 19 | 22 | 27 | | | |
| 13 | | | | 0 | 39 | 16 | 21 | 22 | 27 | | | |
| 14 | | | | 0 | 24 | 15 | 21 | 22 | 27 | | | |
| 15 | | | | 0 | 16 | 16 | 21 | 22 | 27 | | | |
| 16 | | | | 0 | 15 | 16 | 21 | 21 | 24 | | | |
| 17 | | | | 0 | 6.3 | 16 | 22 | 22 | 24 | | | |
| 18 | | | | 0 | 6.3 | 19 | 22 | 21 | 24 | | | |
| 19 | | | | 0 | 6.3 | 27 | 21 | 21 | 24 | | | |
| 20 | | | | 0 | 7.5 | 31 | 22 | 21 | 24 | | | |
| 21 | | | | 0 | 7.5 | 30 | 22 | 21 | 22 | | | |
| 22 | | | | 0 | 8.8 | 27 | 22 | 19 | 22 | | | |
| 23 | | | | 7.5 | 7.5 | 27 | 22 | 21 | 22 | | | |
| 24 | | | | 52 | 7.5 | 27 | 22 | 19 | 22 | | | |
| 25 | | | | 52 | 6.3 | 28 | 21 | 19 | 22 | | | |
| 26 | | | | 56 | 7.5 | 30 | 22 | 19 | 21 | | | |
| 27 | | | | 58 | 7.5 | 27 | 21 | 21 | 21 | | | |
| 28 | | | | 54 | 7.5 | 27 | 21 | 21 | 21 | | | |
| 29 | | ------ | | 51 | 7.5 | 25 | 22 | 21 | 19 | | | |
| 30 | | ------ | | 49 | 8.8 | 27 | 24 | 21 | 7.5 | | | |
| 31 | | ------ | | ------ | 10 | ------ | 24 | 21 | ------ | | ------ | |
| TOTAL | | | | 379.5 | 517.4 | 586 | 682 | 673 | 610.5 | | | |
| MEAN | | | | 12.7 | 16.7 | 19.5 | 22.0 | 21.7 | 20.4 | | | |
| MAX | | | | 58 | 45 | 31 | 25 | 24 | 27 | | | |
| MIN | | | | 0 | 6.3 | 10 | 19 | 19 | 0 | | | |
| AC-FT | | | | 753 | 1,030 | 1,160 | 1,350 | 1,330 | 1,210 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK DIVERSION CANAL BELOW HEAD GATE NUMBER 40A 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 27 | 18 | 16 | 28 | | | |
| 2 | | | | | 0 | 33 | 18 | 16 | 28 | | | |
| 3 | | | | | 0 | 33 | 16 | 16 | 28 | | | |
| 4 | | | | | 0 | 33 | 18 | 16 | 30 | | | |
| 5 | | | | | 0 | 33 | 16 | 16 | 34 | | | |
| 6 | | | | | 0 | 33 | 18 | 18 | 34 | | | |
| 7 | | | | | 0 | 31 | 21 | 18 | 31 | | | |
| 8 | | | | | 0 | 31 | 18 | 16 | 31 | | | |
| 9 | | | | | 0 | 31 | 16 | 16 | 31 | | | |
| 10 | | | | | 0 | 31 | 15 | 16 | 31 | | | |
| 11 | | | | | 0 | 31 | 15 | 16 | 31 | | | |
| 12 | | | | | 0 | 28 | 15 | 15 | 33 | | | |
| 13 | | | | | 0 | 28 | 12 | 15 | 31 | | | |
| 14 | | | | | 0 | 28 | 10 | 15 | 30 | | | |
| 15 | | | | | 0 | 28 | 10 | 16 | 30 | | | |
| 16 | | | | | 0 | 28 | 10 | 15 | 28 | | | |
| 17 | | | | | 0 | 28 | 12 | 15 | 28 | | | |
| 18 | | | | | 0 | 28 | 12 | 15 | 22 | | | |
| 19 | | | | | 0 | 28 | 13 | 15 | 18 | | | |
| 20 | | | | | 0 | 28 | 13 | 13 | 16 | | | |
| 21 | | | | | 0 | 31 | 12 | 13 | 16 | | | |
| 22 | | | | | 0 | 36 | 12 | 13 | 15 | | | |
| 23 | | | | | 0 | 36 | 12 | 15 | 15 | | | |
| 24 | | | | | 0 | 33 | 12 | 16 | 13 | | | |
| 25 | | | | | 0 | 31 | 12 | 16 | 13 | | | |
| 26 | | | | | 0 | 30 | 12 | 15 | 13 | | | |
| 27 | | | | | 0 | 28 | 12 | 15 | 13 | | | |
| 28 | | | | | 8.6 | 28 | 13 | 24 | 10 | | | |
| 29 | | | | | 21 | 28 | 13 | 33 | 8.8 | | | |
| 30 | | ------ | | | 19 | 22 | 15 | 31 | 7.5 | | | |
| 31 | | ------ | | ------ | 19 | ------ | 15 | 31 | ------ | | ------ | |
| TOTAL | | | | | 67.6 | 902 | 436 | 536 | 697.3 | | | |
| MEAN | | | | | 2.18 | 30.1 | 14.1 | 17.3 | 23.2 | | | |
| MAX | | | | | 21 | 36 | 21 | 33 | 34 | | | |
| MIN | | | | | 0 | 22 | 10 | 13 | 7.5 | | | |
| AC-FT | | | | | 134 | 1,790 | 865 | 1,060 | 1,380 | | | |

40A 04000 Martinsdale Supply Canal Below Headgate near Martinsdale, MT

LOCATION -- Lat 46° 27' 30", long 110° 20' 00", in NW½ NW¼ NE¼ Sec. 15, T. 8 N., R. 11 E., Meagher County on left bank 0.1 mi (0.2 km) downstream from headgate which is at river mile 5.9 (9.5 km) upstream from confluence with North Fork Musselshell River, 0.9 mi (1.4 km) west of Martinsdale.

DRAINAGE AREA -- Above canal headgate 294 sq. mi (761 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,810 ft (1,466 m) from topography map.

AVERAGE DISCHARGE -- 1961 to 1976 - 24,000 AF/season (29.6 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 287 $ft^3/s$ (8.13 $m^3/s$) May 24 and 29, 1962. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of no gage height record or period of extreme moss growth. Canal supplies water to Martinsdale Reservoir.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1961

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 220 | 44 | 15 | 0 | | | |
| 2 | | | | | | 196 | 48 | 6.5 | 5.0 | | | |
| 3 | | | | | | 178 | 48 | 5.0 | 3.0 | | | |
| 4 | | | | | | 162 | 44 | 4.5 | 0 | | | |
| 5 | | | | | | 146 | 28 | 4.5 | 0 | | | |
| 6 | | | | | | 138 | 29 | 4.0 | 0 | | | |
| 7 | | | | | | 122 | 21 | 5.0 | 0 | | | |
| 8 | | | | | | 107 | 15 | 5.0 | 0 | | | |
| 9 | | | | | | 88 | 6.0 | 4.5 | 3.0 | | | |
| 10 | | | | | | 77 | 6.0 | 6.0 | 4.0 | | | |
| 11 | | | | | | 62 | 29 | 6.5 | 4.0 | | | |
| 12 | | | | | | 62 | 28 | 6.0 | 4.0 | | | |
| 13 | | | | | | 57 | 29 | 6.0 | 4.0 | | | |
| 14 | | | | | | 44 | 22 | 5.0 | 4.0 | | | |
| 15 | | | | | | 28 | 9.0 | 4.0 | 4.0 | | | |
| 16 | | | | | | 25 | 9.0 | 3.5 | 4.0 | | | |
| 17 | | | | | | 16 | 6.0 | 3.0 | 3.5 | | | |
| 18 | | | | | | 9.0 | 15 | 3.0 | 3.0 | | | |
| 19 | | | | | | 6.0 | 32 | 3.0 | 3.0 | | | |
| 20 | | | | | | 0 | 28 | 0 | 3.0 | | | |
| 21 | | | | | | 0 | 28 | 0 | 3.0 | | | |
| 22 | | | | | | 0 | 29 | 0 | 3.5 | | | |
| 23 | | | | | | 0 | 52 | 0 | 3.5 | | | |
| 24 | | | | | | 0 | 52 | 0 | 3.5 | | | |
| 25 | | | | | | 0 | 57 | 0 | 3.5 | | | |
| 26 | | | | | | 0 | 71 | 0 | 3.0 | | | |
| 27 | | | | | | 0 | 62 | 0 | 3.0 | | | |
| 28 | | | | | | 29 | 52 | 0 | 3.0 | | | |
| 29 | | ------ | | | | 40 | 48 | 0 | 3.0 | | | |
| 30 | | ------ | | | | 35 | 35 | 0 | 3.0 | | | |
| 31 | | ------ | | ------ | | ------ | 50 | 0 | ------ | | ------ | |
| TOTAL | | | | | | 1,847.0 | 1,032.0 | 100.0 | 83.5 | | | |
| MEAN | | | | | | 61.6 | 33.3 | 3.23 | 2.78 | | | |
| MAX | | | | | | 220 | 71 | 15 | 5.0 | | | |
| MIN | | | | | | 0 | 6.0 | 0 | 0 | | | |
| AC-FT | | | | | | 3,660 | 2,050 | 198 | 166 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 39 | 92 | 277 | 94 | 35 | 24 | 31 | 0 | |
| 2 | | | | 39 | 69 | 271 | 86 | 35 | 24 | 31 | 0 | |
| 3 | | | | 54 | 54 | 264 | 77 | 35 | 26 | 30 | 0 | |
| 4 | | | | 57 | 34 | 266 | 77 | 33 | 28 | 30 | 5.0 | |
| 5 | | | | 75 | 63 | 258 | 77 | 35 | 27 | 30 | 5.0 | |
| 6 | | | | 75 | 85 | 243 | 77 | 36 | 27 | 30 | 5.0 | |
| 7 | | | | 78 | 85 | 227 | 77 | 32 | 27 | 30 | 5.0 | |
| 8 | | | | 69 | 85 | 209 | 74 | 30 | 27 | 30 | 5.0 | |
| 9 | | | | 63 | 85 | 197 | 72 | 31 | 28 | 30 | 5.0 | |
| 10 | | | | 54 | 85 | 200 | 72 | 32 | 30 | 30 | 7.0 | |
| 11 | | | | 48 | 75 | 229 | 72 | 31 | 30 | 30 | 6.0 | |
| 12 | | | | 48 | 63 | 150 | 69 | 30 | 30 | 29 | 6.0 | |
| 13 | | | | 57 | 63 | 67 | 70 | 31 | 30 | 28 | 6.0 | |
| 14 | | | | 85 | 75 | 65 | 67 | 30 | 31 | 27 | 6.0 | |
| 15 | | | | 110 | 89 | 64 | 62 | 30 | 30 | 27 | 6.0 | |
| 16 | | | | 145 | 114 | 62 | 57 | 30 | 30 | 27 | 6.0 | |
| 17 | | | | 141 | 141 | 60 | 57 | 27 | 29 | 28 | 6.0 | |
| 18 | | | | 141 | 137 | 51 | 53 | 28 | 29 | 31 | 5.0 | |
| 19 | | | | 153 | 137 | 43 | 51 | 27 | 29 | 31 | 6.0 | |
| 20 | | | | 187 | 174 | 43 | 51 | 26 | 29 | 31 | 4.0 | |
| 21 | | | | 196 | 222 | 43 | 48 | 26 | 30 | 30 | 4.0 | |
| 22 | | | | 187 | 277 | 48 | 47 | 27 | 31 | 30 | 5.0 | |
| 23 | | | | 183 | 282 | 54 | 44 | 27 | 31 | 30 | 5.0 | |
| 24 | | | | 196 | 287 | 54 | 52 | 28 | 31 | 29 | 6.0 | |
| 25 | | | | 213 | 267 | 54 | 36 | 26 | 31 | 29 | 6.0 | |
| 26 | | | | 204 | 204 | 56 | 23 | 27 | 31 | 28 | 4.0 | |
| 27 | | | | 179 | 254 | 61 | 13 | 27 | 31 | 28 | 4.0 | |
| 28 | | | | 170 | 267 | 64 | 11 | 25 | 31 | 27 | 4.0 | |
| 29 | | ------ | | 149 | 287 | 69 | 11 | 24 | 31 | 27 | 4.0 | |
| 30 | | ------ | | 129 | 277 | 77 | 19 | 24 | 31 | 27 | 5.0 | |
| 31 | | ------ | | ------ | 277 | ------ | 35 | 24 | ------ | 10 | ------ | |
| TOTAL | | | | 3,524 | 4,706 | 3,826 | 1,731 | 909 | 874 | 886 | 141.0 | |
| MEAN | | | | 117 | 152 | 128 | 55.8 | 29.3 | 29.1 | 28.6 | 4.70 | |
| MAX | | | | 213 | 287 | 277 | 94 | 36 | 31 | 31 | 7.0 | |
| MIN | | | | 39 | 34 | 43 | 11 | 24 | 24 | 10 | 0 | |
| AC-FT | | | | 6,990 | 9,330 | 7,590 | 3,430 | 1,800 | 1,730 | 1,760 | 280 | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 57 | 118 | 63 | 175 | 57 | | | | |
| 2 | | | | 51 | 118 | 66 | 179 | 48 | | | | |
| 3 | | | | 40 | 129 | 66 | 184 | 42 | | | | |
| 4 | | | | 48 | 129 | 69 | 188 | 42 | | | | |
| 5 | | | | 45 | 145 | 69 | 192 | 40 | | | | |
| 6 | | | | 54 | 149 | 72 | 175 | 35 | | | | |
| 7 | | | | 75 | 175 | 75 | 153 | 32 | | | | |
| 8 | | | | 82 | 188 | 82 | 153 | 32 | | | | |
| 9 | | | | 82 | 192 | 92 | 157 | 30 | | | | |
| 10 | | | | 83 | 192 | 96 | 157 | 27 | | | | |
| 11 | | | | 63 | 192 | 96 | 161 | 30 | | | | |
| 12 | | | | 80 | 204 | 99 | 161 | 30 | | | | |
| 13 | | | | 60 | 231 | 103 | 161 | 30 | | | | |
| 14 | | | | 72 | 231 | 106 | 161 | 27 | | | | |
| 15 | | | | 89 | 240 | 110 | 175 | 27 | | | | |
| 16 | | | | 96 | 245 | 114 | 218 | 27 | | | | |
| 17 | | | | 96 | 245 | 118 | 240 | 27 | | | | |
| 18 | | | | 92 | 254 | 121 | 240 | 25 | | | | |
| 19 | | | | 89 | 249 | 125 | 240 | 25 | | | | |
| 20 | | | | 89 | 240 | 133 | 240 | 27 | | | | |
| 21 | | | | 82 | 212 | 137 | 231 | 25 | | | | |
| 22 | | | | 78 | 89 | 141 | 227 | 27 | | | | |
| 23 | | | | 82 | 89 | 145 | 213 | 30 | | | | |
| 24 | | | | 75 | 89 | 145 | 204 | 30 | | | | |
| 25 | | | | 72 | 57 | 149 | 179 | 35 | | | | |
| 26 | | | | 75 | 35 | 153 | 121 | 35 | | | | |
| 27 | | | | 85 | 35 | 157 | 114 | 37 | | | | |
| 28 | | | | 99 | 37 | 161 | 92 | 37 | | | | |
| 29 | | ------ | | 99 | 37 | 166 | 75 | 37 | | | | |
| 30 | | ------ | | 106 | 40 | 170 | 70 | 37 | | | | |
| 31 | | ------ | | ------ | 54 | ------ | 63 | 37 | ------ | | ------ | |
| TOTAL | | | | 2,256 | 4,640 | 3,399 | 5,299 | 1,027 | | | | |
| MEAN | | | | 75.2 | 150 | 113 | 171 | 33.1 | | | | |
| MAX | | | | 106 | 254 | 170 | 240 | 57 | | | | |
| MIN | | | | 40 | 35 | 63 | 63 | 25 | | | | |
| AC-FT | | | | 4,470 | 9,200 | 6,740 | 10,510 | 2,040 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 71 | 207 | 12 | 45 | | | | |
| 2 | | | | 0 | 60 | 95 | 12 | 45 | | | | |
| 3 | | | | 0 | 60 | 181 | 12 | 42 | | | | |
| 4 | | | | 0 | 63 | 190 | 13 | 42 | | | | |
| 5 | | | | 0 | 67 | 220 | 13 | 40 | | | | |
| 6 | | | | 0 | 83 | 213 | 13 | 45 | | | | |
| 7 | | | | 0 | 83 | 198 | 15 | 63 | | | | |
| 8 | | | | 0 | 83 | 169 | 15 | 63 | | | | |
| 9 | | | | 0 | 83 | 109 | 15 | 66 | | | | |
| 10 | | | | 0 | 83 | 98 | 16 | 63 | | | | |
| 11 | | | | 0 | 101 | 157 | 16 | 66 | | | | |
| 12 | | | | 0 | 98 | 133 | 16 | 69 | | | | |
| 13 | | | | 0 | 113 | 109 | 18 | 66 | | | | |
| 14 | | | | 0 | 137 | 94 | 18 | 66 | | | | |
| 15 | | | | 0 | 117 | 94 | 32 | 66 | | | | |
| 16 | | | | 0 | 105 | 83 | 39 | 66 | | | | |
| 17 | | | | 0 | 109 | 44 | 39 | 66 | | | | |
| 18 | | | | 0 | 101 | 35 | 39 | 63 | | | | |
| 19 | | | | 0 | 113 | 6.0 | 39 | 66 | | | | |
| 20 | | | | 0 | 109 | 6.0 | 39 | 75 | | | | |
| 21 | | | | 12 | 137 | 6.0 | 39 | 82 | | | | |
| 22 | | | | 32 | 109 | 6.0 | 39 | 78 | | | | |
| 23 | | | | 32 | 125 | 6.0 | 35 | 78 | | | | |
| 24 | | | | 32 | 186 | 12 | 28 | 92 | | | | |
| 25 | | | | 32 | 171 | 12 | 28 | 85 | | | | |
| 26 | | | | 32 | 187 | 12 | 28 | 78 | | | | |
| 27 | | | | 32 | 179 | 12 | 25 | 72 | | | | |
| 28 | | | | 32 | 192 | 12 | 21 | 78 | | | | |
| 29 | | | | 35 | 207 | 12 | 19 | 82 | | | | |
| 30 | | ------ | | 53 | 181 | 12 | 19 | 69 | | | | |
| 31 | | ------ | | ------ | 173 | ------ | 45 | 60 | ------ | | ------ | |
| TOTAL | | | | 324 | 3,686 | 2,543.0 | 757 | 2,037 | | | | |
| MEAN | | | | 10.8 | 119 | 84.8 | 24.4 | 65.7 | | | | |
| MAX | | | | 53 | 207 | 220 | 45 | 92 | | | | |
| MIN | | | | 0 | 60 | 6.0 | 12 | 40 | | | | |
| AC-FT | | | | 643 | 7,310 | 5,040 | 1,500 | 4,040 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 99 | 175 | 72 | 19 | 19 | | | |
| 2 | | | | | 121 | 204 | 78 | 19 | 19 | | | |
| 3 | | | | | 166 | 200 | 89 | 27 | 19 | | | |
| 4 | | | | | 175 | 204 | 89 | 30 | 19 | | | |
| 5 | | | | | 188 | 200 | 78 | 30 | 19 | | | |
| 6 | | | | | 188 | 204 | 75 | 37 | 19 | | | |
| 7 | | | | | 184 | 209 | 72 | 37 | 19 | | | |
| 8 | | | | | 175 | 133 | 69 | 37 | 19 | | | |
| 9 | | | | | 170 | 78 | 60 | 35 | 9.0 | | | |
| 10 | | | | | 161 | 78 | 48 | 32 | 0 | | | |
| 11 | | | | | 166 | 82 | 60 | 27 | 0 | | | |
| 12 | | | | | 179 | 82 | 63 | 27 | 0 | | | |
| 13 | | | | | 192 | 85 | 48 | 37 | 0 | | | |
| 14 | | | | | 192 | 88 | 51 | 37 | 0 | | | |
| 15 | | | | | 196 | 75 | 51 | 40 | 0 | | | |
| 16 | | | | | 196 | 75 | 54 | 40 | 0 | | | |
| 17 | | | | | 188 | 78 | 48 | 45 | 0 | | | |
| 18 | | | | | 145 | 66 | 51 | 54 | 0 | | | |
| 19 | | | | | 161 | 57 | 45 | 54 | 0 | | | |
| 20 | | | | | 200 | 54 | 45 | 60 | 0 | | | |
| 21 | | | | | 204 | 54 | 42 | 72 | 0 | | | |
| 22 | | | | | 204 | 48 | 42 | 72 | 0 | | | |
| 23 | | | | | 204 | 45 | 40 | 75 | 0 | | | |
| 24 | | | | | 204 | 60 | 40 | 75 | 0 | | | |
| 25 | | | | | 204 | 66 | 35 | 78 | 0 | | | |
| 26 | | | | | 200 | 54 | 35 | 78 | 0 | | | |
| 27 | | | | | 200 | 48 | 32 | 78 | 0 | | | |
| 28 | | | | | 200 | 45 | 32 | 78 | 0 | | | |
| 29 | | ------ | | | 204 | 42 | 19 | 66 | 0 | | | |
| 30 | | ------ | | | 209 | 66 | 19 | 27 | 0 | | | |
| 31 | | ------ | | ------ | 184 | ------ | 19 | 19 | ------ | | ------ | |
| TOTAL | | | | | 5,659 | 2,955 | 1,601 | 1,442 | 161.0 | | | |
| MEAN | | | | | 183 | 98.5 | 51.6 | 46.5 | 5.37 | | | |
| MAX | | | | | 209 | 209 | 89 | 78 | 19 | | | |
| MIN | | | | | 99 | 42 | 19 | 19 | 0 | | | |
| AC-FT | | | | | 11,220 | 5,860 | 3,180 | 2,860 | 319 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 103 | 32 | 96 | 63 | 42 | 0 | | |
| 2 | | | | | 103 | 63 | 99 | 60 | 42 | 19 | | |
| 3 | | | | | 114 | 75 | 69 | 57 | 37 | 25 | | |
| 4 | | | | | 137 | 72 | 40 | 57 | 37 | 25 | | |
| 5 | | | | | 141 | 69 | 40 | 57 | 37 | 25 | | |
| 6 | | | | | 145 | 69 | 40 | 57 | 35 | 23 | | |
| 7 | | | | | 141 | 69 | 37 | 57 | 40 | 21 | | |
| 8 | | | | | 137 | 69 | 40 | 60 | 48 | 21 | | |
| 9 | | | | | 166 | 66 | 40 | 63 | 48 | 21 | | |
| 10 | | | | | 166 | 66 | 40 | 63 | 45 | 21 | | |
| 11 | | | | | 175 | 69 | 32 | 60 | 48 | 21 | | |
| 12 | | | | | 175 | 69 | 0 | 60 | 48 | 21 | | |
| 13 | | | | | 170 | 66 | 0 | 60 | 54 | 25 | | |
| 14 | | | | | 170 | 66 | 0 | 63 | 60 | 25 | | |
| 15 | | | | | 166 | 66 | 0 | 57 | 60 | 25 | | |
| 16 | | | | | 161 | 69 | 0 | 57 | 60 | 25 | | |
| 17 | | | | | 149 | 63 | 0 | 57 | 51 | 23 | | |
| 18 | | | | | 145 | 63 | 0 | 60 | 45 | 21 | | |
| 19 | | | | | 149 | 69 | 54 | 57 | 45 | 21 | | |
| 20 | | | | | 149 | 72 | 54 | 60 | 42 | 23 | | |
| 21 | | | | | 149 | 78 | 57 | 57 | 40 | 25 | | |
| 22 | | | | | 161 | 85 | 60 | 54 | 35 | 25 | | |
| 23 | | | | | 161 | 89 | 57 | 54 | 30 | 25 | | |
| 24 | | | | | 137 | 89 | 48 | 51 | 23 | 23 | | |
| 25 | | | | | 106 | 85 | 48 | 45 | 23 | 21 | | |
| 26 | | | | | 99 | 82 | 45 | 45 | 30 | 23 | | |
| 27 | | | | | 103 | 82 | 37 | 48 | 27 | 25 | | |
| 28 | | | | | 103 | 78 | 35 | 42 | 23 | 25 | | |
| 29 | | ------ | | | 51 | 78 | 37 | 42 | 21 | 25 | | |
| 30 | | ------ | | | 19 | 92 | 35 | 40 | 17 | 23 | | |
| 31 | | ------ | | ------ | 21 | ------ | 42 | 40 | ------ | 23 | ------ | |
| TOTAL | | | | | 4,072 | 2,160 | 1,182 | 1,703 | 1,193 | 694 | | |
| MEAN | | | | | 131 | 72.0 | 38.1 | 54.9 | 39.8 | 22.4 | | |
| MAX | | | | | 175 | 92 | 99 | 63 | 60 | 25 | | |
| MIN | | | | | 19 | 32 | 0 | 40 | 17 | 0 | | |
| AC-FT | | | | | 8,080 | 4,280 | 2,340 | 3,380 | 2,370 | 1,380 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 49 | 147 | 0 | 74 | 60 | | | |
| 2 | | | | | 49 | 159 | 0 | 78 | 60 | | | |
| 3 | | | | | 49 | 159 | 0 | 78 | 56 | | | |
| 4 | | | | | 49 | 159 | 0 | 81 | 56 | | | |
| 5 | | | | | 46 | 171 | 11 | 78 | 56 | | | |
| 6 | | | | | 46 | 151 | 39 | 81 | 49 | | | |
| 7 | | | | | 49 | 171 | 39 | 74 | 49 | | | |
| 8 | | | | | 85 | 175 | 39 | 63 | 42 | | | |
| 9 | | | | | 108 | 179 | 39 | 60 | 42 | | | |
| 10 | | | | | 119 | 171 | 39 | 56 | 42 | | | |
| 11 | | | | | 131 | 171 | 39 | 60 | 42 | | | |
| 12 | | | | | 155 | 171 | 39 | 60 | 53 | | | |
| 13 | | | | | 147 | 175 | 39 | 60 | 56 | | | |
| 14 | | | | | 139 | 179 | 39 | 46 | 60 | | | |
| 15 | | | | | 139 | 175 | 39 | 42 | 53 | | | |
| 16 | | | | | 151 | 167 | 39 | 39 | 49 | | | |
| 17 | | | | | 163 | 159 | 46 | 32 | 56 | | | |
| 18 | | | | | 171 | 155 | 49 | 36 | 53 | | | |
| 19 | | | | | 134 | 147 | 49 | 32 | 53 | | | |
| 20 | | | | | 41 | 127 | 49 | 32 | 46 | | | |
| 21 | | | | | 163 | 123 | 49 | 36 | 46 | | | |
| 22 | | | | | 175 | 123 | 39 | 36 | 42 | | | |
| 23 | | | | | 147 | 115 | 29 | 56 | 36 | | | |
| 24 | | | | | 183 | 96 | 29 | 49 | 36 | | | |
| 25 | | | | | 183 | 81 | 42 | 49 | 31 | | | |
| 26 | | | | | 183 | 74 | 56 | 53 | 29 | | | |
| 27 | | | | | 175 | 26 | 53 | 60 | 26 | | | |
| 28 | | | | | 175 | 0 | 63 | 60 | 23 | | | |
| 29 | | ------ | | | 167 | 0 | 74 | 56 | 20 | | | |
| 30 | | ------ | | | 183 | 0 | 78 | 53 | 23 | | | |
| 31 | | ------ | | ------ | 159 | ------ | 74 | 53 | ------ | | ------ | |
| TOTAL | | | | | 3,913 | 3,906 | 1,219 | 1,723 | 1,345 | | | |
| MEAN | | | | | 126 | 130 | 39.3 | 55.6 | 44.8 | | | |
| MAX | | | | | 183 | 179 | 78 | 81 | 60 | | | |
| MIN | | | | | 41 | 0 | 0 | 32 | 20 | | | |
| AC-FT | | | | | 7,760 | 7,750 | 2,420 | 3,420 | 2,670 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 56 | 147 | 60 | 39 | 60 | | | |
| 2 | | | | | 29 | 147 | 85 | 29 | 63 | | | |
| 3 | | | | | 104 | 147 | 81 | 32 | 67 | | | |
| 4 | | | | | 104 | 143 | 49 | 29 | 67 | | | |
| 5 | | | | | 108 | 143 | 26 | 42 | 70 | | | |
| 6 | | | | | 111 | 143 | 23 | 42 | 63 | | | |
| 7 | | | | | 108 | 143 | 26 | 46 | 63 | | | |
| 8 | | | | | 108 | 143 | 29 | 53 | 63 | | | |
| 9 | | | | | 108 | 143 | 26 | 56 | 53 | | | |
| 10 | | | | | 108 | 147 | 32 | 67 | 39 | | | |
| 11 | | | | | 104 | 171 | 29 | 67 | 8.3 | | | |
| 12 | | | | | 104 | 183 | 32 | 63 | 0 | | | |
| 13 | | | | | 108 | 179 | 29 | 63 | 0 | | | |
| 14 | | | | | 115 | 179 | 32 | 63 | 0 | | | |
| 15 | | | | | 119 | 171 | 32 | 70 | 0 | | | |
| 16 | | | | | 119 | 163 | 36 | 81 | 0 | | | |
| 17 | | | | | 127 | 155 | 26 | 74 | 0 | | | |
| 18 | | | | | 123 | 163 | 20 | 85 | 0 | | | |
| 19 | | | | | 123 | 163 | 20 | 81 | 0 | | | |
| 20 | | | | | 123 | 163 | 20 | 74 | 0 | | | |
| 21 | | | | | 123 | 163 | 17 | 74 | 0 | | | |
| 22 | | | | | 135 | 155 | 17 | 70 | 0 | | | |
| 23 | | | | | 139 | 155 | 17 | 63 | 0 | | | |
| 24 | | | | | 135 | 147 | 42 | 63 | 0 | | | |
| 25 | | | | | 139 | 143 | 56 | 56 | 0 | | | |
| 26 | | | | | 135 | 135 | 56 | 53 | 0 | | | |
| 27 | | | | | 131 | 139 | 56 | 56 | 0 | | | |
| 28 | | | | | 131 | 139 | 56 | 60 | 0 | | | |
| 29 | | | | | 135 | 143 | 53 | 67 | 0 | | | |
| 30 | | ------ | | | 147 | 100 | 49 | 63 | 0 | | | |
| 31 | | ------ | | ------ | 143 | ------ | 39 | 60 | ------ | | ------ | |
| TOTAL | | | | | 3,602 | 4,555 | 1,171 | 1,841 | 616.3 | | | |
| MEAN | | | | | 116 | 152 | 37.8 | 59.4 | 20.5 | | | |
| MAX | | | | | 147 | 183 | 85 | 85 | 70 | | | |
| MIN | | | | | 29 | 100 | 17 | 29 | 0 | | | |
| AC-FT | | | | | 7,140 | 9,030 | 2,320 | 3,650 | 1,220 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 140 | 108 | 58 | 34 | 65 | | | |
| 2 | | | | | 132 | 108 | 55 | 30 | 69 | | | |
| 3 | | | | | 128 | 108 | 51 | 27 | 72 | | | |
| 4 | | | | | 128 | 104 | 51 | 23 | 62 | | | |
| 5 | | | | | 140 | 88 | 84 | 30 | 55 | | | |
| 6 | | | | | 136 | 84 | 65 | 48 | 55 | | | |
| 7 | | | | | 140 | 96 | 76 | 51 | 51 | | | |
| 8 | | | | | 144 | 104 | 100 | 58 | 55 | | | |
| 9 | | | | | 152 | 96 | 88 | 51 | 55 | | | |
| 10 | | | | | 152 | 92 | 84 | 55 | 51 | | | |
| 11 | | | | | 157 | 88 | 72 | 55 | 51 | | | |
| 12 | | | | | 161 | 84 | 72 | 72 | 44 | | | |
| 13 | | | | | 161 | 92 | 72 | 88 | 27 | | | |
| 14 | | | | | 170 | 84 | 72 | 76 | 14 | | | |
| 15 | | | | | 179 | 72 | 80 | 72 | 8.0 | | | |
| 16 | | | | | 179 | 65 | 4.0 | 72 | 8.0 | | | |
| 17 | | | | | 179 | 55 | 3.0 | 72 | 6.0 | | | |
| 18 | | | | | 175 | 48 | 41 | 76 | 8.0 | | | |
| 19 | | | | | 170 | 34 | 51 | 72 | 5.0 | | | |
| 20 | | | | | 175 | 34 | 55 | 69 | 8.0 | | | |
| 21 | | | | | 175 | 30 | 58 | 69 | 17 | | | |
| 22 | | | | | 175 | 44 | 58 | 65 | 7.0 | | | |
| 23 | | | | | 157 | 51 | 51 | 65 | 0 | | | |
| 24 | | | | | 144 | 62 | 48 | 58 | 0 | | | |
| 25 | | | | | 144 | 88 | 44 | 51 | 0 | | | |
| 26 | | | | | 124 | 100 | 44 | 48 | 0 | | | |
| 27 | | | | | 100 | 96 | 41 | 48 | 0 | | | |
| 28 | | | | | 62 | 104 | 41 | 51 | 0 | | | |
| 29 | | ------ | | | 88 | 96 | 44 | 65 | 0 | | | |
| 30 | | ------ | | | 104 | 69 | 41 | 65 | 0 | | | |
| 31 | | ------ | | ------ | 108 | ------ | 41 | 65 | ------ | | ------ | |
| TOTAL | | | | | 4,479 | 2,384 | 1,745.0 | 1,781 | 793.0 | | | |
| MEAN | | | | | 144 | 79.5 | 56.3 | 57.5 | 26.4 | | | |
| MAX | | | | | 179 | 108 | 100 | 88 | 72 | | | |
| MIN | | | | | 62 | 30 | 3.0 | 23 | 0 | | | |
| AC-FT | | | | | 8,880 | 4,730 | 3,460 | 3,530 | 1,570 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 15 | 37 | 188 | 76 | 41 | 58 | | | |
| 2 | | | | 13 | 69 | 188 | 76 | 37 | 55 | | | |
| 3 | | | | 15 | 112 | 103 | 72 | 55 | 55 | | | |
| 4 | | | | 16 | 104 | 197 | 76 | 44 | 51 | | | |
| 5 | | | | 23 | 108 | 197 | 76 | 37 | 51 | | | |
| 6 | | | | 58 | 152 | 197 | 76 | 41 | 51 | | | |
| 7 | | | | 155 | 136 | 197 | 65 | 37 | 48 | | | |
| 8 | | | | 105 | 170 | 197 | 58 | 30 | 58 | | | |
| 9 | | | | 83 | 124 | 197 | 58 | 30 | 58 | | | |
| 10 | | | | 115 | 184 | 103 | 62 | 34 | 37 | | | |
| 11 | | | | 130 | 170 | 188 | 58 | 27 | 23 | | | |
| 12 | | | | 100 | 197 | 179 | 62 | 27 | 23 | | | |
| 13 | | | | 80 | 184 | 188 | 58 | 23 | 27 | | | |
| 14 | | | | 48 | 188 | 179 | 92 | 20 | 0 | | | |
| 15 | | | | 34 | 175 | 188 | 58 | 23 | 0 | | | |
| 16 | | | | 48 | 193 | 188 | 58 | 23 | 0 | | | |
| 17 | | | | 48 | 215 | 179 | 48 | 23 | 0 | | | |
| 18 | | | | 34 | 215 | 175 | 37 | 20 | 0 | | | |
| 19 | | | | 41 | 238 | 175 | 37 | 23 | 0 | | | |
| 20 | | | | 44 | 206 | 170 | 34 | 37 | 0 | | | |
| 21 | | | | 41 | 224 | 170 | 37 | 55 | 0 | | | |
| 22 | | | | 41 | 220 | 161 | 37 | 65 | 0 | | | |
| 23 | | | | 41 | 206 | 148 | 37 | 62 | 0 | | | |
| 24 | | | | 45 | 202 | 148 | 34 | 62 | 0 | | | |
| 25 | | | | 55 | 193 | 148 | 30 | 62 | 0 | | | |
| 26 | | | | 48 | 197 | 148 | 27 | 65 | 0 | | | |
| 27 | | | | 37 | 202 | 140 | 27 | 72 | 0 | | | |
| 28 | | | | 37 | 202 | 128 | 44 | 65 | 0 | | | |
| 29 | | ------ | | 27 | 202 | 76 | 65 | 65 | 0 | | | |
| 30 | | ------ | | 37 | 197 | 76 | 58 | 65 | 0 | | | |
| 31 | | ------ | | ------ | 197 | ------ | 48 | 62 | ------ | | ------ | |
| TOTAL | | | | 1,614 | 5,410 | 4,916 | 1,681 | 1,332 | 595 | | | |
| MEAN | | | | 53.8 | 175 | 164 | 54.2 | 43.0 | 19.8 | | | |
| MAX | | | | 155 | 238 | 197 | 92 | 72 | 58 | | | |
| MIN | | | | 13 | 37 | 76 | 27 | 20 | 0 | | | |
| AC-FT | | | | 3,200 | 10,750 | 9,750 | 3,330 | 2,640 | 1,180 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 128 | 144 | 104 | 20 | 72 | | | |
| 2 | | | | C | 144 | 170 | 104 | 20 | 65 | | | |
| 3 | | | | 0 | 156 | 156 | 104 | 23 | 62 | | | |
| 4 | | | | 0 | 148 | 156 | 108 | 20 | 62 | | | |
| 5 | | | | 0 | 144 | 184 | 104 | 20 | 58 | | | |
| 6 | | | | 0 | 156 | 184 | 104 | 20 | 54 | | | |
| 7 | | | | 0 | 144 | 184 | 104 | 20 | 54 | | | |
| 8 | | | | 8.0 | 161 | 179 | 88 | 17 | 54 | | | |
| 9 | | | | 8.0 | 156 | 188 | 0 | 20 | 51 | | | |
| 10 | | | | 8.0 | 166 | 179 | 0 | 48 | 44 | | | |
| 11 | | | | 8.0 | 156 | 179 | 0 | 51 | 37 | | | |
| 12 | | | | 5.0 | 166 | 170 | 0 | 48 | 30 | | | |
| 13 | | | | 0 | 161 | 170 | 0 | 48 | 23 | | | |
| 14 | | | | 0 | 156 | 166 | 0 | 51 | 14 | | | |
| 15 | | | | 0 | 140 | 166 | 0 | 54 | 14 | | | |
| 16 | | | | 5.0 | 152 | 156 | 0 | 58 | 17 | | | |
| 17 | | | | 34 | 148 | 148 | 0 | 58 | 0 | | | |
| 18 | | | | 65 | 144 | 140 | 5.0 | 58 | 0 | | | |
| 19 | | | | 68 | 140 | 136 | 5.0 | 62 | 0 | | | |
| 20 | | | | 72 | 136 | 136 | 5.0 | 65 | 0 | | | |
| 21 | | | | 84 | 136 | 128 | 5.0 | 65 | 0 | | | |
| 22 | | | | 96 | 136 | 76 | 8.0 | 65 | 0 | | | |
| 23 | | | | 112 | 132 | 80 | 5.0 | 62 | 0 | | | |
| 24 | | | | 116 | 132 | 76 | 0 | 62 | 0 | | | |
| 25 | | | | 124 | 132 | 80 | 0 | 58 | 0 | | | |
| 26 | | | | 96 | 136 | 76 | 23 | 54 | 0 | | | |
| 27 | | | | 92 | 140 | 88 | 23 | 51 | 0 | | | |
| 28 | | | | 116 | 144 | 104 | 23 | 51 | 0 | | | |
| 29 | | ------ | | 116 | 144 | 104 | 20 | 51 | 0 | | | |
| 30 | | ------ | | 124 | 144 | 104 | 20 | 76 | 0 | | | |
| 31 | | ------ | | ------ | 148 | ------ | 20 | 84 | ------ | | ------ | |
| TOTAL | | | | 1,357.0 | 4,526 | 4,207 | 982.0 | 1,460 | 711 | 0 | | |
| MEAN | | | | 45.2 | 146 | 140 | 31.7 | 47.1 | 23.7 | 0 | | |
| MAX | | | | 124 | 166 | 188 | 108 | 84 | 72 | 0 | | |
| MIN | | | | 0 | 128 | 76 | 0 | 17 | 0 | 0 | | |
| AC-FT | | | | 2,690 | 8,980 | 8,340 | 1,950 | 2,900 | 1,410 | 0 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 108 | 166 | 108 | 17 | 51 | 17 | | |
| 2 | | | | 0 | 100 | 179 | 112 | 17 | 51 | 8.0 | | |
| 3 | | | | 0 | 100 | 166 | 116 | 17 | 48 | 11 | | |
| 4 | | | | 0 | 104 | 170 | 116 | 11 | 51 | 14 | | |
| 5 | | | | 0 | 112 | 166 | 112 | 11 | 51 | 14 | | |
| 6 | | | | 0 | 112 | 166 | 100 | 14 | 51 | 11 | | |
| 7 | | | | 0 | 108 | 179 | 92 | 37 | 51 | 11 | | |
| 8 | | | | 0 | 100 | 179 | 84 | 51 | 48 | 11 | | |
| 9 | | | | 0 | 92 | 211 | 72 | 48 | 48 | 14 | | |
| 10 | | | | 0 | 88 | 211 | 69 | 37 | 51 | 14 | | |
| 11 | | | | 0 | 92 | 206 | 69 | 34 | 55 | 14 | | |
| 12 | | | | 0 | 100 | 197 | 58 | 37 | 51 | 14 | | |
| 13 | | | | 0 | 108 | 175 | 23 | 41 | 48 | 14 | | |
| 14 | | | | 0 | 120 | 157 | 23 | 55 | 44 | 14 | | |
| 15 | | | | 0 | 132 | 124 | 20 | 72 | 44 | 14 | | |
| 16 | | | | 0 | 136 | 128 | 20 | 65 | 44 | 14 | | |
| 17 | | | | 0 | 120 | 148 | 23 | 58 | 41 | 14 | | |
| 18 | | | | 0 | 124 | 124 | 23 | 51 | 44 | 14 | | |
| 19 | | | | 23 | 157 | 112 | 27 | 58 | 44 | 14 | | |
| 20 | | | | 44 | 166 | 104 | 30 | 65 | 41 | 14 | | |
| 21 | | | | 55 | 148 | 108 | 30 | 65 | 41 | 14 | | |
| 22 | | | | 76 | 140 | 108 | 30 | 69 | 34 | 14 | | |
| 23 | | | | 76 | 144 | 112 | 30 | 76 | 34 | 14 | | |
| 24 | | | | 76 | 140 | 116 | 30 | 80 | 37 | 14 | | |
| 25 | | | | 80 | 140 | 112 | 30 | 76 | 37 | 14 | | |
| 26 | | | | 80 | 140 | 112 | 34 | 72 | 41 | 14 | | |
| 27 | | | | 84 | 136 | 116 | 20 | 62 | 44 | 14 | | |
| 28 | | | | 84 | 132 | 112 | 11 | 58 | 48 | 14 | | |
| 29 | | | | 104 | 136 | 108 | 14 | 55 | 48 | 14 | | |
| 30 | | ------ | | 112 | 148 | 104 | 14 | 55 | 48 | 14 | | |
| 31 | | ------ | | ------ | 166 | ------ | 14 | 51 | ------ | 14 | ------ | |
| TOTAL | | | | 894 | 3,849 | 4,376 | 1,554 | 1,515 | 1,369 | 419.0 | | |
| MEAN | | | | 29.8 | 124 | 146 | 50.1 | 48.9 | 45.6 | 13.5 | | |
| MAX | | | | 112 | 166 | 211 | 116 | 80 | 55 | 17 | | |
| MIN | | | | 0 | 88 | 104 | 11 | 11 | 34 | 8.0 | | |
| AC-FT | | | | 1,770 | 7,630 | 8,680 | 3,080 | 3,010 | 2,720 | 831 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 14 | 37 | 58 | 55 | 0 | 88 | 0 | | |
| 2 | | | | 14 | 34 | 62 | 55 | 0 | 100 | 0 | | |
| 3 | | | | 11 | 23 | 84 | 48 | 0 | 84 | 0 | | |
| 4 | | | | 8.0 | 27 | 96 | 44 | 0 | 65 | 0 | | |
| 5 | | | | 5.0 | 37 | 80 | 44 | 0 | 51 | 37 | | |
| 6 | | | | 5.0 | 37 | 88 | 44 | 11 | 55 | 14 | | |
| 7 | | | | 11 | 41 | 104 | 41 | 23 | 62 | 11 | | |
| 8 | | | | 11 | 44 | 112 | 55 | 17 | 88 | 8.0 | | |
| 9 | | | | 11 | 48 | 120 | 58 | 14 | 55 | 8.0 | | |
| 10 | | | | 11 | 37 | 120 | 55 | 14 | 14 | 8.0 | | |
| 11 | | | | 8.0 | 34 | 112 | 51 | 23 | 17 | 5.0 | | |
| 12 | | | | 5.0 | 27 | 100 | 55 | 30 | 8.0 | 5.0 | | |
| 13 | | | | 5.0 | 23 | 100 | 44 | 23 | 0 | 0 | | |
| 14 | | | | 17 | 30 | 92 | 34 | 17 | 5.0 | 0 | | |
| 15 | | | | 48 | 34 | 104 | 34 | 14 | 0 | 27 | | |
| 16 | | | | 41 | 62 | 92 | 30 | 5.0 | 5.0 | 55 | | |
| 17 | | | | 30 | 92 | 96 | 27 | 0 | 5.0 | 55 | | |
| 18 | | | | 30 | 140 | 100 | 27 | 0 | 0 | 48 | | |
| 19 | | | | 27 | 161 | 88 | 27 | 0 | 0 | 44 | | |
| 20 | | | | 20 | 179 | 84 | 30 | 0 | 0 | 44 | | |
| 21 | | | | 17 | 188 | 65 | 37 | 0 | 0 | 44 | | |
| 22 | | | | 20 | 175 | 55 | 37 | 5.0 | 0 | 41 | | |
| 23 | | | | 27 | 152 | 48 | 44 | 17 | 0 | 41 | | |
| 24 | | | | 34 | 128 | 34 | 27 | 44 | 0 | 37 | | |
| 25 | | | | 41 | 112 | 30 | 20 | 30 | 0 | 37 | | |
| 26 | | | | 37 | 116 | 30 | 20 | 20 | 0 | 37 | | |
| 27 | | | | 41 | 62 | 23 | 11 | 20 | 0 | 34 | | |
| 28 | | | | 51 | 62 | 23 | 11 | 23 | 0 | 34 | | |
| 29 | | ------ | | 48 | 62 | 48 | 8.0 | 5.0 | 0 | 30 | | |
| 30 | | ------ | | 41 | 55 | 62 | 14 | 8.0 | 0 | 27 | | |
| 31 | | ------ | | ------ | 55 | ------ | 8.0 | 23 | ------ | 30 | ------ | |
| TOTAL | | | | 689.0 | 2,314 | 2,310 | 1,095.0 | 386.0 | 702.0 | 761.0 | | |
| MEAN | | | | 23.0 | 74.6 | 77.0 | 35.3 | 12.5 | 23.4 | 24.5 | | |
| MAX | | | | 51 | 188 | 120 | 58 | 44 | 100 | 55 | | |
| MIN | | | | 5.0 | 23 | 23 | 8.0 | 0 | 0 | 0 | | |
| AC-FT | | | | 1,370 | 4,590 | 4,580 | 2,170 | 766 | 1,390 | 1,510 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 106 | 215 | 242 | 95 | 19 | 61 | 36 | | |
| 2 | | | | 89 | 224 | 233 | 99 | 16 | 61 | 36 | | |
| 3 | | | | 78 | 224 | 224 | 95 | 16 | 57 | 33 | | |
| 4 | | | | 94 | 224 | 224 | 92 | 36 | 57 | 36 | | |
| 5 | | | | 61 | 233 | 201 | 95 | 48 | 57 | 36 | | |
| 6 | | | | 89 | 252 | 179 | 92 | 51 | 57 | 36 | | |
| 7 | | | | 81 | 257 | 161 | 92 | 57 | 54 | 33 | | |
| 8 | | | | 75 | 262 | 129 | 92 | 61 | 54 | 24 | | |
| 9 | | | | 82 | 262 | 129 | 89 | 61 | 54 | 21 | | |
| 10 | | | | 99 | 257 | 129 | 85 | 54 | 51 | 19 | | |
| 11 | | | | 103 | 262 | 125 | 85 | 48 | 51 | 19 | | |
| 12 | | | | 106 | 257 | 133 | 81 | 51 | 51 | 21 | | |
| 13 | | | | 85 | 262 | 137 | 78 | 57 | 51 | 21 | | |
| 14 | | | | 71 | 257 | 141 | 75 | 61 | 48 | 21 | | |
| 15 | | | | 78 | 237 | 36 | 75 | 57 | 45 | 21 | | |
| 16 | | | | 106 | 193 | 67 | 71 | 54 | 42 | 19 | | |
| 17 | | | | 133 | 158 | 64 | 71 | 48 | 39 | 19 | | |
| 18 | | | | 141 | 149 | 64 | 71 | 45 | 36 | 19 | | |
| 19 | | | | 161 | 149 | 61 | 71 | 45 | 36 | 19 | | |
| 20 | | | | 183 | 149 | 64 | 61 | 57 | 36 | 19 | | |
| 21 | | | | 170 | 149 | 71 | 61 | 67 | 39 | 19 | | |
| 22 | | | | 153 | 149 | 78 | 57 | 64 | 39 | 24 | | |
| 23 | | | | 175 | 149 | 75 | 57 | 61 | 39 | 24 | | |
| 24 | | | | 201 | 153 | 75 | 54 | 57 | 36 | 21 | | |
| 25 | | | | 193 | 197 | 85 | 51 | 57 | 33 | 19 | | |
| 26 | | | | 188 | 229 | 95 | 48 | 54 | 30 | 19 | | |
| 27 | | | | 229 | 188 | 99 | 39 | 54 | 39 | 16 | | |
| 28 | | | | 229 | 197 | 99 | 36 | 57 | 42 | 16 | | |
| 29 | | ------ | | 224 | 272 | 95 | 33 | 54 | 39 | 16 | | |
| 30 | | ------ | | 215 | 277 | 95 | 33 | 54 | 36 | 16 | | |
| 31 | | ------ | | ------ | 267 | ------ | 30 | 54 | ------ | 8.0 | ------ | |
| TOTAL | | | | 3,968 | 6,710 | 3,610 | 2,164 | 1,575 | 1,370 | 706.0 | | |
| MEAN | | | | 132 | 216 | 120 | 69.8 | 50.8 | 45.7 | 22.8 | | |
| MAX | | | | 229 | 277 | 242 | 99 | 67 | 61 | 36 | | |
| MIN | | | | 61 | 149 | 36 | 30 | 16 | 30 | 8.0 | | |
| AC-FT | | | | 7,870 | 13,310 | 7,160 | 4,290 | 3,120 | 2,720 | 1,400 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 57 | 129 | 51 | 82 | 0 | 24 | | |
| 2 | | | | | 61 | 145 | 57 | 57 | 0 | 16 | | |
| 3 | | | | | 61 | 153 | 64 | 0 | 0 | 16 | | |
| 4 | | | | | 61 | 149 | 64 | 0 | 0 | 16 | | |
| 5 | | | | | 82 | 145 | 57 | 0 | 0 | 16 | | |
| 6 | | | | | 96 | 145 | 45 | 99 | 0 | 16 | | |
| 7 | | | | | 96 | 149 | 33 | 96 | 0 | 16 | | |
| 8 | | | | | 110 | 153 | 27 | 48 | 0 | 14 | | |
| 9 | | | | | 133 | 153 | 33 | 39 | 0 | 0 | | |
| 10 | | | | | 121 | 157 | 27 | 45 | 0 | 0 | | |
| 11 | | | | | 121 | 147 | 27 | 45 | 0 | 0 | | |
| 12 | | | | | 129 | 145 | 11 | 45 | 8.5 | 0 | | |
| 13 | | | | | 145 | 149 | 0 | 45 | 16 | 0 | | |
| 14 | | | | | 153 | 149 | 0 | 45 | 16 | 0 | | |
| 15 | | | | | 149 | 149 | 21 | 48 | 16 | 0 | | |
| 16 | | | | | 145 | 149 | 21 | 45 | 19 | 0 | | |
| 17 | | | | | 121 | 161 | 21 | 45 | 14 | 0 | | |
| 18 | | | | | 121 | 175 | 21 | 45 | 14 | 0 | | |
| 19 | | | | | 117 | 206 | 0 | 45 | 14 | 0 | | |
| 20 | | | | | 110 | 197 | 0 | 42 | 14 | 0 | | |
| 21 | | | | | 106 | 121 | 0 | 0 | 16 | 0 | | |
| 22 | | | | | 117 | 92 | 0 | 0 | 16 | 0 | | |
| 23 | | | | | 125 | 78 | 0 | 0 | 16 | 0 | | |
| 24 | | | | | 121 | 78 | 0 | 0 | 16 | 0 | | |
| 25 | | | | | 125 | 85 | 0 | 0 | 14 | 0 | | |
| 26 | | | | | 110 | 113 | 0 | 0 | 16 | 0 | | |
| 27 | | | | | 113 | 92 | 0 | 0 | 16 | 0 | | |
| 28 | | | | | 125 | 71 | 0 | 0 | 16 | 0 | | |
| 29 | | ------ | | | 129 | 57 | 0 | 0 | 16 | 0 | | |
| 30 | | ------ | | | 137 | 51 | 0 | 0 | 16 | 0 | | |
| 31 | | ------ | | ------ | 137 | ------ | 36 | 0 | ------ | 0 | ------ | |
| TOTAL | | | | 0 | 3,534 | 3,943 | 616 | 916 | 289.5 | 134 | | |
| MEAN | | | | 0 | 114 | 131 | 19.9 | 29.5 | 9.65 | 4.32 | | |
| MAX | | | | 0 | 153 | 206 | 64 | 99 | 19 | 24 | | |
| MIN | | | | 0 | 57 | 51 | 0 | 0 | 0 | 0 | | |
| AC-FT | | | | 0 | 7,010 | 7,820 | 1,220 | 1,820 | 574 | 266 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 42 | 85 | 92 | 0 | 30 | | | |
| 2 | | | | 0 | 42 | 89 | 89 | 54 | 30 | | | |
| 3 | | | | 0 | 42 | 92 | 89 | 0 | 30 | | | |
| 4 | | | | 0 | 42 | 96 | 89 | 0 | 30 | | | |
| 5 | | | | 0 | 45 | 92 | 89 | 0 | 33 | | | |
| 6 | | | | 27 | 51 | 92 | 85 | 0 | 39 | | | |
| 7 | | | | 33 | 54 | 103 | 89 | 0 | 42 | | | |
| 8 | | | | 36 | 54 | 117 | 82 | 0 | 42 | | | |
| 9 | | | | 36 | 54 | 110 | 82 | 0 | 36 | | | |
| 10 | | | | 36 | 64 | 103 | 78 | 0 | 36 | | | |
| 11 | | | | 36 | 99 | 99 | 78 | 0 | 36 | | | |
| 12 | | | | 36 | 92 | 92 | 82 | 0 | 36 | | | |
| 13 | | | | 36 | 85 | 92 | 89 | 0 | 36 | | | |
| 14 | | | | 36 | 82 | 99 | 75 | 0 | 36 | | | |
| 15 | | | | 36 | 82 | 103 | 71 | 0 | 36 | | | |
| 16 | | | | 36 | 78 | 99 | 31 | 0 | 36 | | | |
| 17 | | | | 36 | 75 | 92 | 0 | 0 | 36 | | | |
| 18 | | | | 36 | 75 | 96 | 0 | 0 | 36 | | | |
| 19 | | | | 36 | 75 | 96 | 0 | 0 | 39 | | | |
| 20 | | | | 36 | 85 | 99 | 0 | 0 | 36 | | | |
| 21 | | | | 36 | 96 | 103 | 0 | 0 | 36 | | | |
| 22 | | | | 39 | 96 | 110 | 0 | 0 | 42 | | | |
| 23 | | | | 39 | 96 | 113 | 0 | 24 | 48 | | | |
| 24 | | | | 39 | 96 | 110 | 0 | 24 | 48 | | | |
| 25 | | | | 39 | 92 | 103 | 0 | 24 | 48 | | | |
| 26 | | | | 39 | 89 | 99 | 0 | 24 | 51 | | | |
| 27 | | | | 42 | 89 | 92 | 0 | 24 | 48 | | | |
| 28 | | | | 42 | 89 | 96 | 0 | 27 | 42 | | | |
| 29 | | | | 39 | 89 | 96 | 0 | 33 | 39 | | | |
| 30 | | ------ | | 39 | 89 | 92 | 0 | 30 | 36 | | | |
| 31 | | ------ | | ------ | 85 | ------ | 0 | 30 | ------ | | ------ | |
| TOTAL | | | | 921 | 2,324 | 2,960 | 1,290 | 294 | 1,149 | | | |
| MEAN | | | | 30.7 | 75.0 | 98.7 | 41.6 | 9.48 | 38.3 | | | |
| MAX | | | | 42 | 99 | 117 | 92 | 54 | 51 | | | |
| MIN | | | | 0 | 42 | 85 | 0 | 0 | 30 | | | |
| AC-FT | | | | 1,830 | 4,610 | 5,870 | 2,560 | 583 | 2,280 | | | |

40A 04080 Martinsdale Supply Canal Above Reservoir near Martinsdale, MT

LOCATION -- Lat 46° 27' 30", long 110° 18' 20", in SW¼ SE¼ NW¼ Sec. 13, T 8 N., R. 11 E., Meagher County, on right bank 2.3 mi (3.7 km) downstream from headgate which is at river mile 5.9 (9.5 km) upstream from confluence with North Fork Musselshell River, 0.6 mi (1.0 km) upstream from drop into reservoir, 1.0 mi (1.6 km) east of Martinsdale.

DRAINAGE AREA -- Above canal headgate 294 sq. mi (761 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,800 ft (1,463 m) from topography map.

AVERAGE DISCHARGE -- 1962 to 1976 - 14,900 AF/season (18.4 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 241 $ft^3/s$ (6.83 $m^3/s$) May 27, 1962. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of no gage height record. Canal supplies water to Martinsdale Reservoir.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 28 | 58 | 225 | 20 | 14 | 13 | 8.0 | 0 | |
| 2 | | | | 28 | 31 | 225 | 19 | 12 | 18 | 8.0 | 0 | |
| 3 | | | | 41 | 28 | 229 | 24 | 11 | 24 | 8.0 | 0 | |
| 4 | | | | 51 | 0 | 236 | 25 | 8.0 | 20 | 4.0 | 0 | |
| 5 | | | | 59 | 21 | 232 | 23 | 8.0 | 19 | 5.0 | 1.0 | |
| 6 | | | | 61 | 45 | 217 | 24 | 11 | 17 | 5.0 | 1.0 | |
| 7 | | | | 63 | 45 | 203 | 25 | 11 | 16 | 0 | 1.0 | |
| 8 | | | | 53 | 47 | 186 | 25 | 8.0 | 17 | 0 | 1.0 | |
| 9 | | | | 41 | 47 | 180 | 34 | 7.0 | 18 | 2.0 | 1.0 | |
| 10 | | | | 37 | 47 | 186 | 45 | 7.0 | 16 | 3.0 | 1.0 | |
| 11 | | | | 32 | 41 | 213 | 55 | 7.0 | 16 | 4.0 | 1.0 | |
| 12 | | | | 30 | 32 | 156 | 55 | 6.0 | 16 | 1.0 | 1.0 | |
| 13 | | | | 41 | 33 | 37 | 61 | 5.0 | 16 | 0 | 1.0 | |
| 14 | | | | 63 | 41 | 49 | 66 | 4.0 | 16 | 0 | 1.0 | |
| 15 | | | | 87 | 57 | 47 | 66 | 0 | 9.0 | 0 | 1.0 | |
| 16 | | | | 132 | 87 | 43 | 63 | 0 | 4.0 | 2.0 | 1.0 | |
| 17 | | | | 125 | 116 | 41 | 61 | 0 | 3.0 | 2.0 | 2.0 | |
| 18 | | | | 120 | 116 | 29 | 61 | 0 | 0 | 9.0 | 2.0 | |
| 19 | | | | 135 | 116 | 22 | 64 | 0 | 0 | 9.0 | 4.0 | |
| 20 | | | | 169 | 133 | 19 | 61 | 0 | 0 | 5.0 | 3.0 | |
| 21 | | | | 183 | 201 | 15 | 61 | 0 | 0 | 4.0 | 5.0 | |
| 22 | | | | 169 | 240 | 21 | 61 | 0 | 0 | 3.0 | 7.0 | |
| 23 | | | | 162 | 225 | 9.0 | 59 | 6.0 | 0 | 5.0 | 3.0 | |
| 24 | | | | 179 | 232 | 0 | 59 | 13 | 0 | 10 | 3.0 | |
| 25 | | | | 200 | 206 | 0 | 53 | 17 | 0 | 21 | 3.0 | |
| 26 | | | | 186 | 166 | 0 | 30 | 16 | 0 | 25 | 3.0 | |
| 27 | | | | 145 | 241 | 0 | 10 | 16 | 6.0 | 28 | 6.0 | |
| 28 | | | | 135 | 216 | 0 | 9.0 | 18 | 8.0 | 27 | 4.0 | |
| 29 | | ------ | | 116 | 236 | 0 | 8.0 | 19 | 9.0 | 26 | 4.0 | |
| 30 | | ------ | | 95 | 232 | 0 | 17 | 17 | 9.0 | 26 | 4.0 | |
| 31 | | ------ | | ------ | 225 | ------ | 23 | 14 | ------ | 19 | ------ | |
| TOTAL | | | | 2,966 | 3,561 | 2,820.0 | 1,267.0 | 255.0 | 290.0 | 269.0 | 65.0 | |
| MEAN | | | | 98.9 | 115 | 94.0 | 40.9 | 8.23 | 9.67 | 8.68 | 2.17 | |
| MAX | | | | 200 | 241 | 236 | 66 | 19 | 24 | 28 | 7.0 | |
| MIN | | | | 28 | 0 | 0 | 8.0 | 0 | 0 | 0 | 0 | |
| AC-FT | | | | 5,880 | 7,060 | 5,590 | 2,510 | 506 | 575 | 534 | 129 | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 41 | 79 | 10 | 5.0 | 1.0 | | | | |
| 2 | | | | 36 | 86 | 10 | 4.0 | 1.0 | | | | |
| 3 | | | | 28 | 94 | 12 | 7.0 | 0 | | | | |
| 4 | | | | 33 | 100 | 12 | 13 | 0 | | | | |
| 5 | | | | 31 | 122 | 12 | 11 | 0 | | | | |
| 6 | | | | 37 | 129 | 11 | 10 | 0 | | | | |
| 7 | | | | 57 | 159 | 10 | 6.0 | 0 | | | | |
| 8 | | | | 66 | 176 | 10 | 5.0 | 0 | | | | |
| 9 | | | | 63 | 183 | 10 | 5.0 | 0 | | | | |
| 10 | | | | 49 | 183 | 9.0 | 7.0 | 4.0 | | | | |
| 11 | | | | 45 | 187 | 7.0 | 8.0 | 7.0 | | | | |
| 12 | | | | 43 | 195 | 6.0 | 3.0 | 0 | | | | |
| 13 | | | | 43 | 221 | 6.0 | 2.0 | 0 | | | | |
| 14 | | | | 55 | 204 | 8.0 | 2.0 | 0 | | | | |
| 15 | | | | 71 | 216 | 10 | 1.0 | 0 | | | | |
| 16 | | | | 81 | 225 | 10 | 2.0 | 0 | | | | |
| 17 | | | | 81 | 229 | 11 | 5.0 | 1.0 | | | | |
| 18 | | | | 79 | 232 | 14 | 5.0 | 1.0 | | | | |
| 19 | | | | 74 | 229 | 13 | 5.0 | 1.0 | | | | |
| 20 | | | | 71 | 225 | 12 | 4.0 | 1.0 | | | | |
| 21 | | | | 66 | 211 | 8.0 | 1.0 | 0 | | | | |
| 22 | | | | 64 | 64 | 7.0 | 1.0 | 0 | | | | |
| 23 | | | | 64 | 57 | 8.0 | 0 | 0 | | | | |
| 24 | | | | 51 | 57 | 10 | 0 | 0 | | | | |
| 25 | | | | 39 | 30 | 12 | 0 | 0 | | | | |
| 26 | | | | 36 | 10 | 10 | 0 | 0 | | | | |
| 27 | | | | 43 | 9.0 | 9.0 | 0 | 0 | | | | |
| 28 | | | | 55 | 9.0 | 7.0 | 7.0 | 0 | | | | |
| 29 | | ------ | | 57 | 9.0 | 7.0 | 7.0 | 0 | | | | |
| 30 | | ------ | | 59 | 10 | 7.0 | 8.0 | 0 | | | | |
| 31 | | ------ | | ------ | 10 | ------ | 2.0 | 0 | ------ | | ------ | |
| TOTAL | | | | 1,618 | 3,950.0 | 288.0 | 136.0 | 17.0 | 0 | | | |
| MEAN | | | | 53.9 | 127 | 9.60 | 4.39 | .55 | 0 | | | |
| MAX | | | | 81 | 232 | 14 | 13 | 7.0 | 0 | | | |
| MIN | | | | 28 | 9.0 | 6.0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 3,210 | 7,830 | 571 | 270 | 34 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A C4080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 86 | 169 | 30 | | | | | |
| 2 | | | | | 81 | 162 | 22 | | | | | |
| 3 | | | | | 84 | 166 | 24 | | | | | |
| 4 | | | | | 89 | 173 | 24 | | | | | |
| 5 | | | | | 86 | 208 | 24 | | | | | |
| 6 | | | | | 97 | 208 | 22 | | | | | |
| 7 | | | | | 103 | 109 | 30 | | | | | |
| 8 | | | | | 112 | 81 | 24 | | | | | |
| 9 | | | | | 115 | 81 | 16 | | | | | |
| 10 | | | | | 115 | 71 | 16 | | | | | |
| 11 | | | | | 129 | 176 | 15 | | | | | |
| 12 | | | | | 119 | 145 | 14 | | | | | |
| 13 | | | | | 122 | 115 | 14 | | | | | |
| 14 | | | | | 139 | 97 | 6.0 | | | | | |
| 15 | | | | | 119 | 81 | 8.0 | | | | | |
| 16 | | | | | 103 | 52 | 12 | | | | | |
| 17 | | | | | 103 | 21 | 11 | | | | | |
| 18 | | | | | 115 | 18 | 11 | | | | | |
| 19 | | | | | 115 | 0 | 11 | | | | | |
| 20 | | | | | 119 | 0 | 7.0 | | | | | |
| 21 | | | | | 136 | 0 | 6.0 | | | | | |
| 22 | | | | | 162 | 0 | 3.0 | | | | | |
| 23 | | | | | 139 | 0 | 0 | | | | | |
| 24 | | | | | 208 | 0 | 0 | | | | | |
| 25 | | | | | 169 | 0 | 0 | | | | | |
| 26 | | | | | 145 | 1.0 | 0 | | | | | |
| 27 | | | | | 162 | 4.0 | 0 | | | | | |
| 28 | | | | | 155 | 3.0 | 0 | | | | | |
| 29 | | | | | 173 | 2.0 | 0 | | | | | |
| 30 | | ------ | | | 145 | 18 | 0 | | | | | |
| 31 | | ------ | | ------ | 122 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | 3,867 | 2,161.0 | 350.0 | 0 | 0 | | | |
| MEAN | | | | | 125 | 72.0 | 11.3 | 0 | 0 | | | |
| MAX | | | | | 208 | 208 | 30 | 0 | 0 | | | |
| MIN | | | | | 81 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 7,670 | 4,290 | 694 | 0 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 100 | 169 | 11 | 0 | 2.0 | | | |
| 2 | | | | | 115 | 197 | 9.0 | 0 | 2.0 | | | |
| 3 | | | | | 176 | 187 | 13 | 0 | 2.0 | | | |
| 4 | | | | | 180 | 187 | 16 | 0 | 2.0 | | | |
| 5 | | | | | 201 | 173 | 16 | 0 | 2.0 | | | |
| 6 | | | | | 197 | 169 | 14 | 0 | 2.0 | | | |
| 7 | | | | | 193 | 166 | 9.0 | 0 | 2.0 | | | |
| 8 | | | | | 187 | 81 | 6.0 | 0 | 2.0 | | | |
| 9 | | | | | 180 | 21 | 3.0 | 0 | 1.0 | | | |
| 10 | | | | | 169 | 13 | 0 | 0 | 0 | | | |
| 11 | | | | | 169 | 14 | 3.0 | 0 | 0 | | | |
| 12 | | | | | 180 | 14 | 7.0 | 0 | 0 | | | |
| 13 | | | | | 197 | 19 | 0 | 0 | 0 | | | |
| 14 | | | | | 201 | 25 | 0 | 0 | 0 | | | |
| 15 | | | | | 204 | 25 | 0 | 0 | 0 | | | |
| 16 | | | | | 204 | 27 | 0 | 0 | 0 | | | |
| 17 | | | | | 197 | 31 | 0 | 0 | 0 | | | |
| 18 | | | | | 155 | 22 | 1.8 | 0 | 0 | | | |
| 19 | | | | | 169 | 12 | 5.0 | 0 | 0 | | | |
| 20 | | | | | 211 | 9.0 | 6.0 | 0 | 0 | | | |
| 21 | | | | | 208 | 6.0 | 5.0 | 0 | 0 | | | |
| 22 | | | | | 208 | 3.0 | 6.0 | 2.0 | 0 | | | |
| 23 | | | | | 208 | 0 | 7.0 | 3.0 | 0 | | | |
| 24 | | | | | 211 | 6.0 | 6.0 | 2.0 | 0 | | | |
| 25 | | | | | 211 | 18 | 7.0 | 4.0 | 0 | | | |
| 26 | | | | | 204 | 11 | 6.0 | 7.0 | 0 | | | |
| 27 | | | | | 197 | 5.0 | 6.0 | 8.0 | 0 | | | |
| 28 | | | | | 197 | 0 | 6.0 | 8.0 | 0 | | | |
| 29 | | ------ | | | 197 | 0 | 3.0 | 8.0 | 0 | | | |
| 30 | | ------ | | | 204 | 10 | 0 | 4.0 | 0 | | | |
| 31 | | ------ | | ------ | 183 | ------ | 0 | 2.0 | ------ | | ------ | |
| TOTAL | | | | | 5,813 | 1,620.0 | 171.8 | 48.0 | 17.0 | | | |
| MEAN | | | | | 188 | 54.0 | 5.54 | 1.55 | .57 | | | |
| MAX | | | | | 211 | 197 | 16 | 8.0 | 2.0 | | | |
| MIN | | | | | 100 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 11,530 | 3,210 | 341 | 95 | 34 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 106 | 0 | 1.0 | | | | | |
| 2 | | | | | 106 | 0 | 5.0 | | | | | |
| 3 | | | | | 115 | 3.0 | 12 | | | | | |
| 4 | | | | | 148 | 4.0 | 3.0 | | | | | |
| 5 | | | | | 159 | 2.0 | 2.0 | | | | | |
| 6 | | | | | 155 | 0 | 1.0 | | | | | |
| 7 | | | | | 158 | 0 | 1.0 | | | | | |
| 8 | | | | | 148 | 0 | 1.0 | | | | | |
| 9 | | | | | 183 | 0 | 1.0 | | | | | |
| 10 | | | | | 183 | 0 | 1.0 | | | | | |
| 11 | | | | | 187 | 0 | 0 | | | | | |
| 12 | | | | | 190 | 0 | 0 | | | | | |
| 13 | | | | | 183 | 0 | 0 | | | | | |
| 14 | | | | | 183 | 0 | 0 | | | | | |
| 15 | | | | | 173 | 0 | 0 | | | | | |
| 16 | | | | | 162 | 0 | 0 | | | | | |
| 17 | | | | | 148 | 0 | 0 | | | | | |
| 18 | | | | | 139 | 0 | 0 | | | | | |
| 19 | | | | | 142 | 0 | 4.0 | | | | | |
| 20 | | | | | 139 | 0 | 1.0 | | | | | |
| 21 | | | | | 139 | 0 | 3.0 | | | | | |
| 22 | | | | | 148 | 0 | 0 | | | | | |
| 23 | | | | | 155 | 0 | 0 | | | | | |
| 24 | | | | | 129 | 0 | 0 | | | | | |
| 25 | | | | | 84 | 0 | 0 | | | | | |
| 26 | | | | | 79 | 0 | 0 | | | | | |
| 27 | | | | | 81 | 0 | 0 | | | | | |
| 28 | | | | | 79 | 0 | 0 | | | | | |
| 29 | | ------ | | | 28 | 0 | 0 | | | | | |
| 30 | | ------ | | | 0 | 0 | 0 | | | | | |
| 31 | | ------ | | ------ | 0 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | 4,029 | 9.0 | 36.0 | 0 | 0 | | | |
| MEAN | | | | | 130 | .30 | 1.16 | 0 | 0 | | | |
| MAX | | | | | 190 | 4.0 | 12 | 0 | 0 | | | |
| MIN | | | | | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 7,990 | 18 | 71 | 0 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A C4080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 6.0 | 53 | 148 | 4.0 | | | | | |
| 2 | | | | 6.0 | 53 | 155 | 2.0 | | | | | |
| 3 | | | | 6.0 | 53 | 145 | 0 | | | | | |
| 4 | | | | 6.0 | 53 | 136 | 0 | | | | | |
| 5 | | | | 6.0 | 53 | 145 | 5.0 | | | | | |
| 6 | | | | 6.0 | 55 | 119 | 18 | | | | | |
| 7 | | | | 6.0 | 57 | 112 | 18 | | | | | |
| 8 | | | | 6.0 | 91 | 100 | 14 | | | | | |
| 9 | | | | 6.0 | 129 | 100 | 14 | | | | | |
| 10 | | | | 6.0 | 142 | 91 | 14 | | | | | |
| 11 | | | | 6.0 | 159 | 91 | 13 | | | | | |
| 12 | | | | 18 | 190 | 103 | 13 | | | | | |
| 13 | | | | 53 | 180 | 115 | 13 | | | | | |
| 14 | | | | 55 | 159 | 126 | 13 | | | | | |
| 15 | | | | 55 | 159 | 122 | 7.0 | | | | | |
| 16 | | | | 55 | 176 | 115 | 0 | | | | | |
| 17 | | | | 61 | 190 | 112 | 1.0 | | | | | |
| 18 | | | | 59 | 197 | 106 | 3.0 | | | | | |
| 19 | | | | 61 | 159 | 89 | 1.0 | | | | | |
| 20 | | | | 57 | 27 | 69 | 3.0 | | | | | |
| 21 | | | | 57 | 187 | 61 | 4.0 | | | | | |
| 22 | | | | 55 | 194 | 64 | 3.0 | | | | | |
| 23 | | | | 55 | 155 | 61 | 5.0 | | | | | |
| 24 | | | | 53 | 194 | 69 | 7.0 | | | | | |
| 25 | | | | 55 | 190 | 69 | 8.0 | | | | | |
| 26 | | | | 55 | 190 | 59 | 8.0 | | | | | |
| 27 | | | | 55 | 187 | 25 | 4.0 | | | | | |
| 28 | | | | 55 | 180 | 7.0 | 3.0 | | | | | |
| 29 | | ------ | | 55 | 169 | 6.0 | 0 | | | | | |
| 30 | | ------ | | 55 | 201 | 5.0 | 0 | | | | | |
| 31 | | ------ | | ------ | 173 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | 1,090.0 | 4,355 | 2,725.0 | 198.0 | 0 | 0 | | | |
| MEAN | | | | 36.3 | 140 | 90.8 | 6.39 | 0 | 0 | | | |
| MAX | | | | 61 | 201 | 155 | 18 | 0 | 0 | | | |
| MIN | | | | 6.0 | 27 | 5.0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 2,160 | 8,640 | 5,410 | 393 | 0 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 54 | 134 | 43 | 3.5 | | | | |
| 2 | | | | | 56 | 107 | 25 | 0 | | | | |
| 3 | | | | | 85 | 95 | 24 | 0 | | | | |
| 4 | | | | | 85 | 90 | 9.8 | 0 | | | | |
| 5 | | | | | 90 | 81 | 0 | 0 | | | | |
| 6 | | | | | 92 | 75 | 7.3 | 0 | | | | |
| 7 | | | | | 92 | 71 | 16 | 0 | | | | |
| 8 | | | | | 90 | 69 | 12 | 0 | | | | |
| 9 | | | | | 87 | 77 | 11 | 0 | | | | |
| 10 | | | | | 85 | 87 | 11 | 0 | | | | |
| 11 | | | | | 83 | 107 | 9.8 | 0 | | | | |
| 12 | | | | | 83 | 123 | 9.8 | 0 | | | | |
| 13 | | | | | 87 | 126 | 9.8 | 0 | | | | |
| 14 | | | | | 97 | 126 | 8.5 | 0 | | | | |
| 15 | | | | | 102 | 123 | 8.5 | 0 | | | | |
| 16 | | | | | 102 | 113 | 8.5 | 0 | | | | |
| 17 | | | | | 110 | 97 | 15 | 0 | | | | |
| 18 | | | | | 107 | 97 | 19 | 0 | | | | |
| 19 | | | | | 110 | 92 | 19 | 0 | | | | |
| 20 | | | | | 113 | 97 | 9.8 | 0 | | | | |
| 21 | | | | | 113 | 92 | 0 | 0 | | | | |
| 22 | | | | | 123 | 87 | 0 | 0 | | | | |
| 23 | | | | | 126 | 85 | 0 | 0 | | | | |
| 24 | | | | | 123 | 81 | 6.0 | 0 | | | | |
| 25 | | | | | 126 | 75 | 11 | 0 | | | | |
| 26 | | | | | 123 | 65 | 11 | 0 | | | | |
| 27 | | | | | 116 | 63 | 8.5 | 0 | | | | |
| 28 | | | | | 113 | 63 | 8.5 | 0 | | | | |
| 29 | | | | | 113 | 67 | 11 | 0 | | | | |
| 30 | | ------ | | | 130 | 45 | 11 | 0 | | | | |
| 31 | | ------ | | ------ | 126 | ------ | 4.8 | 0 | ------ | | ------ | |
| TOTAL | | | | | 3,142 | 2,710 | 348.6 | 3.5 | 0 | | | |
| MEAN | | | | | 101 | 90.3 | 11.2 | .11 | 0 | | | |
| MAX | | | | | 130 | 134 | 43 | 3.5 | 0 | | | |
| MIN | | | | | 54 | 45 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 6,230 | 5,380 | 691 | 6.9 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 135 | 9.0 | 0 | | 0 | | | |
| 2 | | | | | 131 | 4.5 | 3.3 | | 7.5 | | | |
| 3 | | | | | 124 | 6.0 | 3.0 | | 21 | | | |
| 4 | | | | | 121 | 3.0 | 0 | | 20 | | | |
| 5 | | | | | 135 | 0 | 47 | | 12 | | | |
| 6 | | | | | 135 | 0 | 39 | | 11 | | | |
| 7 | | | | | 139 | 0 | 45 | | 9.0 | | | |
| 8 | | | | | 144 | 0 | 72 | | 17 | | | |
| 9 | | | | | 154 | 0 | 58 | | 35 | | | |
| 10 | | | | | 159 | 0 | 58 | | 33 | | | |
| 11 | | | | | 165 | 0 | 60 | | 30 | | | |
| 12 | | | | | 159 | 0 | 60 | | 26 | | | |
| 13 | | | | | 144 | 0 | 56 | | 11 | | | |
| 14 | | | | | 131 | 0 | 51 | | 0 | | | |
| 15 | | | | | 144 | 0 | 53 | | 0 | | | |
| 16 | | | | | 139 | 0 | 23 | | 0 | | | |
| 17 | | | | | 131 | 0 | 4.3 | | 0 | | | |
| 18 | | | | | 124 | 0 | 27 | | 4.5 | | | |
| 19 | | | | | 121 | 0 | 35 | | 3.0 | | | |
| 20 | | | | | 124 | 0 | 32 | | 3.0 | | | |
| 21 | | | | | 124 | 0 | 21 | | 12 | | | |
| 22 | | | | | 135 | 0 | 4.5 | | 10 | | | |
| 23 | | | | | 111 | 0 | 3.0 | | 0 | | | |
| 24 | | | | | 99 | 0 | 0 | | 0 | | | |
| 25 | | | | | 96 | 0 | 0 | | 0 | | | |
| 26 | | | | | 78 | 15 | 0 | | 0 | | | |
| 27 | | | | | 56 | 17 | 0 | | 0 | | | |
| 28 | | | | | 12 | 26 | 0 | | 0 | | | |
| 29 | | ------ | | | 4.9 | 30 | 0 | | 0 | | | |
| 30 | | ------ | | | 11 | 0 | 0 | | 0 | | | |
| 31 | | ------ | | ------ | 11 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | 3,496.9 | 110.5 | 755.1 | 0 | 265.0 | | | |
| MEAN | | | | | 113 | 3.68 | 24.4 | 0 | 8.83 | | | |
| MAX | | | | | 165 | 30 | 72 | 0 | 35 | | | |
| MIN | | | | | 4.9 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 6,940 | 219 | 1,500 | 0 | 526 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 19 | 40 | 148 | 4.5 | 13 | 0 | | | |
| 2 | | | | 21 | 61 | 148 | 8.5 | 8.5 | 0 | | | |
| 3 | | | | 19 | 109 | 150 | 16 | 19 | 0 | | | |
| 4 | | | | 19 | 104 | 150 | 22 | 17 | 0 | | | |
| 5 | | | | 21 | 101 | 146 | 22 | 21 | 0 | | | |
| 6 | | | | 21 | 141 | 129 | 22 | 21 | 0 | | | |
| 7 | | | | 47 | 127 | 122 | 19 | 18 | 0 | | | |
| 8 | | | | 63 | 156 | 118 | 15 | 14 | 0 | | | |
| 9 | | | | 65 | 118 | 120 | 18 | 12 | 0 | | | |
| 10 | | | | 78 | 162 | 118 | 21 | 11 | 0 | | | |
| 11 | | | | 91 | 155 | 109 | 25 | 7.5 | 0 | | | |
| 12 | | | | 104 | 166 | 101 | 30 | 4.5 | 0 | | | |
| 13 | | | | 87 | 161 | 113 | 29 | 0 | 0 | | | |
| 14 | | | | 54 | 161 | 109 | 29 | 0 | 2.8 | | | |
| 15 | | | | 41 | 153 | 118 | 28 | 0 | 1.5 | | | |
| 16 | | | | 51 | 161 | 116 | 26 | 0 | 3.0 | | | |
| 17 | | | | 51 | 169 | 111 | 22 | 0 | 0 | | | |
| 18 | | | | 43 | 168 | 106 | 16 | 0 | 0 | | | |
| 19 | | | | 44 | 177 | 99 | 15 | 0 | 3.0 | | | |
| 20 | | | | 51 | 164 | 99 | 15 | 0 | 3.0 | | | |
| 21 | | | | 46 | 171 | 96 | 15 | 0 | 3.0 | | | |
| 22 | | | | 46 | 171 | 89 | 16 | 0 | 3.0 | | | |
| 23 | | | | 46 | 167 | 75 | 16 | 0 | 3.0 | | | |
| 24 | | | | 47 | 164 | 59 | 19 | 0 | 3.0 | | | |
| 25 | | | | 54 | 161 | 54 | 13 | 0 | 3.0 | | | |
| 26 | | | | 47 | 163 | 52 | 3.0 | 0 | 2.3 | | | |
| 27 | | | | 41 | 166 | 52 | 4.5 | 0 | 2.3 | | | |
| 28 | | | | 40 | 166 | 44 | 15 | 0 | 2.3 | | | |
| 29 | | ------ | | 34 | 162 | 3.8 | 25 | 0 | 3.0 | | | |
| 30 | | ------ | | 38 | 158 | 0 | 14 | 0 | 5.5 | | | |
| 31 | | ------ | | ------ | 155 | ------ | 11 | 0 | ------ | | ------ | |
| TOTAL | | | | 1,429 | 4,558 | 2,954.8 | 554.5 | 166.5 | 43.7 | | | |
| MEAN | | | | 47.6 | 147 | 98.5 | 17.9 | 5.37 | 1.46 | | | |
| MAX | | | | 104 | 177 | 150 | 30 | 21 | 5.5 | | | |
| MIN | | | | 19 | 40 | 0 | 3.0 | 0 | 0 | | | |
| AC-FT | | | | 2,830 | 9,040 | 5,860 | 1,100 | 330 | 87 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 129 | 46 | 46 | 0 | 3.0 | 3.0 | | |
| 2 | | | | 0 | 139 | 69 | 50 | 0 | 0 | 3.8 | | |
| 3 | | | | 0 | 146 | 60 | 50 | 0 | 0 | 3.8 | | |
| 4 | | | | 0 | 143 | 60 | 47 | 0 | 0 | 3.8 | | |
| 5 | | | | 0 | 139 | 84 | 46 | 0 | 0 | 3.8 | | |
| 6 | | | | 0 | 146 | 84 | 56 | 0 | 0 | 3.8 | | |
| 7 | | | | 0 | 137 | 86 | 69 | 0 | 0 | 3.0 | | |
| 8 | | | | 0 | 150 | 94 | 30 | 0 | 0 | 3.0 | | |
| 9 | | | | 0 | 146 | 98 | 0 | 0 | 0 | 3.0 | | |
| 10 | | | | 0 | 152 | 98 | 0 | 0 | 0 | 3.0 | | |
| 11 | | | | 0 | 148 | 101 | 0 | 0 | 0 | 3.0 | | |
| 12 | | | | 0 | 153 | 96 | 0 | 0 | 0 | 3.0 | | |
| 13 | | | | 0 | 150 | 91 | 0 | 0 | 0 | 3.0 | | |
| 14 | | | | 0 | 144 | 86 | 0 | 0 | 0 | 3.0 | | |
| 15 | | | | 0 | 129 | 89 | 0 | 0 | 0 | 3.0 | | |
| 16 | | | | 0 | 137 | 84 | 0 | 0 | 0 | 3.0 | | |
| 17 | | | | 30 | 135 | 75 | 0 | 0 | 0 | 3.0 | | |
| 18 | | | | 71 | 133 | 67 | .75 | 0 | 0 | 3.0 | | |
| 19 | | | | 71 | 127 | 63 | 0 | 0 | 0 | 3.0 | | |
| 20 | | | | 75 | 124 | 61 | 0 | 0 | 0 | 3.0 | | |
| 21 | | | | 89 | 120 | 52 | 0 | 0 | 0 | 3.0 | | |
| 22 | | | | 98 | 120 | 14 | 0 | 0 | 0 | 3.0 | | |
| 23 | | | | 118 | 108 | 10 | 0 | 0 | 1.2 | 3.0 | | |
| 24 | | | | 118 | 98 | 8.5 | 0 | 0 | 3.0 | 3.0 | | |
| 25 | | | | 124 | 91 | 7.5 | 1.7 | 0 | 3.0 | 3.0 | | |
| 26 | | | | 101 | 89 | 8.5 | 4.5 | 0 | 3.0 | 3.0 | | |
| 27 | | | | 94 | 94 | 16 | 4.5 | 0 | 3.0 | 3.0 | | |
| 28 | | | | 118 | 75 | 38 | 4.5 | 0 | 2.2 | 3.0 | | |
| 29 | | ------ | | 118 | 49 | 47 | 3.0 | 0 | 2.2 | 3.0 | | |
| 30 | | ------ | | 127 | 43 | 44 | 2.2 | 2.5 | 2.2 | 3.0 | | |
| 31 | | ------ | | ------ | 47 | ------ | 0 | 7.5 | ------ | 3.0 | ------ | |
| TOTAL | | | | 1,352 | 3,741 | 1,837.5 | 415.15 | 10.0 | 22.8 | 97.0 | | |
| MEAN | | | | 45.1 | 121 | 61.3 | 13.4 | .32 | .76 | 3.13 | | |
| MAX | | | | 127 | 153 | 101 | 69 | 7.5 | 3.0 | 3.8 | | |
| MIN | | | | 0 | 43 | 7.5 | 0 | 0 | 0 | 3.0 | | |
| AC-FT | | | | 2,680 | 7,420 | 3,640 | 823 | 20 | 45 | 192 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSEPVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESEPVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 102 | 123 | 28 | 0 | 11 | 17 | | |
| 2 | | | | 0 | 95 | 130 | 38 | 0 | 15 | 11 | | |
| 3 | | | | 0 | 95 | 126 | 43 | 0 | 15 | 11 | | |
| 4 | | | | 0 | 102 | 130 | 43 | 0 | 15 | 11 | | |
| 5 | | | | 0 | 105 | 105 | 40 | 0 | 13 | 11 | | |
| 6 | | | | 0 | 105 | 92 | 40 | 0 | 15 | 11 | | |
| 7 | | | | 0 | 102 | 92 | 38 | 1.0 | 15 | 11 | | |
| 8 | | | | 0 | 98 | 83 | 33 | 9.0 | 15 | 11 | | |
| 9 | | | | 0 | 86 | 116 | 30 | 9.0 | 15 | 11 | | |
| 10 | | | | 0 | 80 | 116 | 33 | 3.0 | 17 | 11 | | |
| 11 | | | | 0 | 89 | 109 | 33 | 3.0 | 17 | 11 | | |
| 12 | | | | 0 | 95 | 105 | 30 | 5.0 | 23 | 11 | | |
| 13 | | | | 0 | 98 | 86 | 13 | 11 | 25 | 11 | | |
| 14 | | | | 0 | 112 | 71 | 13 | 6.0 | 25 | 11 | | |
| 15 | | | | 0 | 119 | 45 | 13 | 0 | 30 | 11 | | |
| 16 | | | | 0 | 123 | 40 | 13 | 0 | 33 | 11 | | |
| 17 | | | | 0 | 109 | 62 | 13 | 0 | 33 | 11 | | |
| 18 | | | | 0 | 109 | 45 | 13 | 0 | 33 | 11 | | |
| 19 | | | | 30 | 140 | 28 | 15 | 0 | 28 | 11 | | |
| 20 | | | | 43 | 147 | 28 | 17 | 0 | 19 | 11 | | |
| 21 | | | | 50 | 130 | 25 | 17 | 0 | 19 | 11 | | |
| 22 | | | | 71 | 119 | 28 | 17 | 1.8 | 17 | 11 | | |
| 23 | | | | 68 | 123 | 28 | 15 | 0 | 17 | 11 | | |
| 24 | | | | 71 | 119 | 30 | 15 | 0 | 19 | 11 | | |
| 25 | | | | 74 | 119 | 33 | 13 | 0 | 21 | 11 | | |
| 26 | | | | 77 | 112 | 33 | 13 | 0 | 21 | 11 | | |
| 27 | | | | 77 | 105 | 33 | 9.0 | 0 | 25 | 11 | | |
| 28 | | | | 77 | 102 | 30 | 5.0 | 0 | 30 | 11 | | |
| 29 | | | | 92 | 105 | 25 | 5.0 | 0 | 30 | 11 | | |
| 30 | | ------ | | 105 | 112 | 21 | 1.0 | 4.5 | 30 | 11 | | |
| 31 | | ------ | | ------ | 123 | ------ | 0 | 5.0 | ------ | 11 | ------ | |
| TOTAL | | | | 835 | 3,380 | 2,018 | 649.0 | 58.3 | 641 | 347 | | |
| MEAN | | | | 27.8 | 109 | 67.3 | 20.9 | 1.88 | 21.4 | 11.2 | | |
| MAX | | | | 105 | 147 | 130 | 43 | 11 | 33 | 17 | | |
| MIN | | | | 0 | 80 | 21 | 0 | 0 | 11 | 11 | | |
| AC-FT | | | | 1,660 | 6,700 | 4,000 | 1,290 | 116 | 1,270 | 688 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIP NUMBEP 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAP 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 23 | 40 | 5.0 | | | | 0 | | |
| 2 | | | | 23 | 35 | 7.0 | | | | 0 | | |
| 3 | | | | 23 | 30 | 21 | | | | 0 | | |
| 4 | | | | 25 | 30 | 35 | | | | 3.1 | | |
| 5 | | | | 25 | 35 | 25 | | | | 35 | | |
| 6 | | | | 25 | 38 | 25 | | | | 17 | | |
| 7 | | | | 25 | 38 | 33 | | | | 15 | | |
| 8 | | | | 28 | 43 | 40 | | | | 15 | | |
| 9 | | | | 28 | 43 | 43 | | | | 13 | | |
| 10 | | | | 28 | 38 | 43 | | | | 13 | | |
| 11 | | | | 28 | 33 | 30 | | | | 11 | | |
| 12 | | | | 30 | 30 | 19 | | | | 9.0 | | |
| 13 | | | | 30 | 25 | 19 | | | | 9.0 | | |
| 14 | | | | 30 | 25 | 0 | | | | 9.0 | | |
| 15 | | | | 30 | 38 | 17 | | | | 28 | | |
| 16 | | | | 33 | 56 | 7.0 | | | | 53 | | |
| 17 | | | | 33 | 80 | 7.0 | | | | 50 | | |
| 18 | | | | 33 | 119 | 11 | | | | 43 | | |
| 19 | | | | 33 | 140 | 1.0 | | | | 40 | | |
| 20 | | | | 33 | 158 | 0 | | | | 45 | | |
| 21 | | | | 33 | 166 | 0 | | | | 45 | | |
| 22 | | | | 33 | 154 | 0 | | | | 45 | | |
| 23 | | | | 35 | 133 | 0 | | | | 43 | | |
| 24 | | | | 38 | 112 | 0 | | | | 43 | | |
| 25 | | | | 40 | 89 | 0 | | | | 43 | | |
| 26 | | | | 43 | 92 | 0 | | | | 43 | | |
| 27 | | | | 43 | 56 | 0 | | | | 43 | | |
| 28 | | | | 43 | 28 | 0 | | | | 38 | | |
| 29 | | ------ | | 43 | 23 | 0 | | | | 38 | | |
| 30 | | ------ | | 43 | 21 | 0 | | | | 35 | | |
| 31 | | ------ | | ------ | 11 | ------ | | | ------ | 35 | ------ | |
| TOTAL | | | | 960 | 1,959 | 388.0 | 0 | 0 | 0 | 859.1 | | |
| MEAN | | | | 32.0 | 63.2 | 12.9 | 0 | 0 | 0 | 27.7 | | |
| MAX | | | | 43 | 166 | 43 | 0 | 0 | 0 | 53 | | |
| MIN | | | | 23 | 11 | 0 | 0 | 0 | 0 | 0 | | |
| AC-FT | | | | 1,900 | 3,890 | 770 | 0 | 0 | 0 | 1,700 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 112 | 202 | 186 | 47 | 8.6 | 53 | 27 | | |
| 2 | | | | 92 | 214 | 166 | 47 | 0 | 53 | 27 | | |
| 3 | | | | 86 | 210 | 162 | 50 | 0 | 50 | 27 | | |
| 4 | | | | 77 | 210 | 162 | 50 | 0 | 47 | 27 | | |
| 5 | | | | 74 | 214 | 140 | 50 | 6.5 | 47 | 27 | | |
| 6 | | | | 92 | 218 | 126 | 56 | 4.6 | 47 | 30 | | |
| 7 | | | | 89 | 214 | 115 | 59 | 0 | 43 | 27 | | |
| 8 | | | | 83 | 218 | 77 | 62 | 0 | 43 | 23 | | |
| 9 | | | | 89 | 222 | 74 | 56 | 0 | 43 | 23 | | |
| 10 | | | | 105 | 214 | 74 | 62 | 0 | 40 | 21 | | |
| 11 | | | | 112 | 218 | 71 | 65 | 0 | 40 | 21 | | |
| 12 | | | | 112 | 210 | 71 | 45 | 0 | 40 | 23 | | |
| 13 | | | | 92 | 222 | 74 | 53 | 0 | 40 | 23 | | |
| 14 | | | | 80 | 214 | 80 | 62 | 0 | 37 | 25 | | |
| 15 | | | | 86 | 198 | 43 | 59 | 0 | 35 | 25 | | |
| 16 | | | | 109 | 158 | 11 | 71 | 0 | 30 | 23 | | |
| 17 | | | | 133 | 129 | 9.0 | 77 | 0 | 30 | 23 | | |
| 18 | | | | 143 | 115 | 7.0 | 74 | 0 | 27 | 23 | | |
| 19 | | | | 162 | 112 | 5.0 | 71 | 0 | 25 | 23 | | |
| 20 | | | | 182 | 115 | 1.0 | 65 | 6.4 | 27 | 23 | | |
| 21 | | | | 166 | 119 | 11 | 53 | 15 | 27 | 23 | | |
| 22 | | | | 150 | 115 | 17 | 45 | 9.0 | 30 | 27 | | |
| 23 | | | | 170 | 112 | 13 | 43 | 9.0 | 27 | 27 | | |
| 24 | | | | 198 | 115 | 13 | 40 | 7.0 | 27 | 27 | | |
| 25 | | | | 186 | 151 | 25 | 40 | .87 | 27 | 27 | | |
| 26 | | | | 178 | 186 | 40 | 35 | 1.5 | 25 | 27 | | |
| 27 | | | | 218 | 147 | 43 | 33 | 3.0 | 27 | 25 | | |
| 28 | | | | 218 | 140 | 45 | 30 | 5.0 | 30 | 25 | | |
| 29 | | ------ | | 210 | 226 | 43 | 30 | 5.0 | 27 | 25 | | |
| 30 | | ------ | | 206 | 226 | 45 | 30 | 3.0 | 27 | 25 | | |
| 31 | | ------ | | ------ | 218 | ------ | 30 | 30 | ------ | 14 | ------ | |
| TOTAL | | | | 4,010 | 5,582 | 1,949.0 | 1,590 | 114.47 | 1,071 | 763 | | |
| MEAN | | | | 134 | 180 | 65.0 | 51.3 | 3.69 | 35.7 | 24.6 | | |
| MAX | | | | 218 | 226 | 186 | 77 | 30 | 53 | 30 | | |
| MIN | | | | 74 | 112 | 1.0 | 30 | 0 | 25 | 14 | | |
| AC-FT | | | | 7,950 | 11,070 | 3,870 | 3,150 | 227 | 2,120 | 1,510 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 126 | 43 | 71 | 1.0 | | | |
| 2 | | | | | 50 | 130 | 50 | 34 | 1.0 | | | |
| 3 | | | | | 50 | 133 | 56 | 0 | 1.0 | | | |
| 4 | | | | | 50 | 133 | 53 | 0 | 1.0 | | | |
| 5 | | | | | 71 | 137 | 43 | 0 | 3.0 | | | |
| 6 | | | | | 86 | 126 | 33 | 15 | 1.0 | | | |
| 7 | | | | | 80 | 119 | 21 | 38 | 1.0 | | | |
| 8 | | | | | 98 | 112 | 17 | 21 | 1.0 | | | |
| 9 | | | | | 123 | 105 | 21 | .17 | 1.0 | | | |
| 10 | | | | | 123 | 89 | 19 | 1.0 | 1.0 | | | |
| 11 | | | | | 137 | 80 | 13 | 1.0 | 1.0 | | | |
| 12 | | | | | 137 | 68 | 3.4 | 0 | 1.0 | | | |
| 13 | | | | | 130 | 65 | 0 | 0 | 1.0 | | | |
| 14 | | | | | 151 | 65 | .63 | 1.0 | 3.0 | | | |
| 15 | | | | | 147 | 65 | 11 | 1.0 | 9.0 | | | |
| 16 | | | | | 144 | 65 | 13 | 0 | 9.0 | | | |
| 17 | | | | | 133 | 71 | 11 | 0 | 7.0 | | | |
| 18 | | | | | 119 | 83 | 0 | 0 | 7.0 | | | |
| 19 | | | | | 109 | 194 | .91 | 0 | 7.0 | | | |
| 20 | | | | | 105 | 182 | 0 | 0 | 7.0 | | | |
| 21 | | | | | 102 | 115 | 0 | 0 | 7.0 | | | |
| 22 | | | | | 112 | 83 | 0 | 0 | 7.0 | | | |
| 23 | | | | | 123 | 68 | 0 | 0 | 7.0 | | | |
| 24 | | | | | 112 | 68 | 0 | 0 | 9.0 | | | |
| 25 | | | | | 105 | 77 | 0 | 2.1 | 9.0 | | | |
| 26 | | | | | 102 | 102 | 0 | 5.0 | 9.0 | | | |
| 27 | | | | | 109 | 80 | 0 | 3.0 | 9.0 | | | |
| 28 | | | | | 112 | 62 | 0 | 5.0 | 9.0 | | | |
| 29 | | ------ | | | 126 | 45 | 0 | 5.0 | 9.0 | | | |
| 30 | | ------ | | | 133 | 43 | 1.8 | 1.0 | 9.0 | | | |
| 31 | | ------ | | ------ | 137 | ------ | 23 | 1.0 | ------ | | | |
| TOTAL | | | | 0 | 3,316 | 2,891 | 433.74 | 205.27 | 148.0 | | | |
| MEAN | | | | 0 | 107 | 96.4 | 14.0 | 6.62 | 4.93 | | | |
| MAX | | | | 0 | 151 | 194 | 56 | 71 | 9.0 | | | |
| MIN | | | | 0 | 0 | 43 | 0 | 0 | 1.0 | | | |
| AC-FT | | | | 0 | 6,580 | 5,730 | 860 | 407 | 294 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 11 | 35 | 89 | 50 | 9.0 | 3.0 | | | |
| 2 | | | | 9.0 | 35 | 80 | 50 | 48 | .63 | | | |
| 3 | | | | 9.0 | 35 | 77 | 50 | 9.0 | 0 | | | |
| 4 | | | | 7.0 | 38 | 77 | 56 | 7.0 | 0 | | | |
| 5 | | | | 7.0 | 40 | 77 | 59 | 7.0 | 0 | | | |
| 6 | | | | 7.0 | 50 | 74 | 56 | 7.0 | 0 | | | |
| 7 | | | | 7.0 | 53 | 71 | 53 | 7.0 | 0 | | | |
| 8 | | | | 7.0 | 53 | 74 | 53 | 7.0 | 0 | | | |
| 9 | | | | 7.0 | 59 | 53 | 50 | 5.0 | 0 | | | |
| 10 | | | | 7.0 | 62 | 40 | 50 | 5.0 | 0 | | | |
| 11 | | | | 5.0 | 102 | 35 | 56 | 5.0 | 0 | | | |
| 12 | | | | 5.0 | 98 | 33 | 65 | 3.0 | 0 | | | |
| 13 | | | | 5.0 | 95 | 33 | 71 | 5.0 | 0 | | | |
| 14 | | | | 5.0 | 89 | 38 | 59 | 2.1 | 0 | | | |
| 15 | | | | 7.0 | 92 | 40 | 62 | 0 | 0 | | | |
| 16 | | | | 13 | 89 | 38 | 35 | 0 | 0 | | | |
| 17 | | | | 21 | 83 | 35 | 11 | 0 | 0 | | | |
| 18 | | | | 21 | 86 | 35 | 13 | 0 | 0 | | | |
| 19 | | | | 21 | 89 | 38 | 11 | 0 | 0 | | | |
| 20 | | | | 28 | 98 | 38 | 11 | 0 | 0 | | | |
| 21 | | | | 33 | 109 | 40 | 11 | 0 | 0 | | | |
| 22 | | | | 33 | 109 | 48 | 11 | 0 | 0 | | | |
| 23 | | | | 33 | 109 | 65 | 13 | 0 | 0 | | | |
| 24 | | | | 33 | 109 | 59 | 13 | 0 | 0 | | | |
| 25 | | | | 33 | 109 | 56 | 15 | 0 | 0 | | | |
| 26 | | | | 35 | 102 | 56 | 15 | 0 | 0 | | | |
| 27 | | | | 43 | 95 | 53 | 15 | 0 | 0 | | | |
| 28 | | | | 48 | 102 | 53 | 15 | 0 | 0 | | | |
| 29 | | | | 35 | 102 | 56 | 15 | 1.0 | 0 | | | |
| 30 | | ------ | | 35 | 102 | 53 | 15 | 0 | 0 | | | |
| 31 | | ------ | | ------ | 98 | ------ | 13 | 1.0 | ------ | | ------ | |
| TOTAL | | | | 570.0 | 2,527 | 1,614 | 1,072 | 128.1 | 3.63 | | | |
| MEAN | | | | 19.0 | 81.5 | 53.8 | 34.6 | 4.13 | .12 | | | |
| MAX | | | | 48 | 109 | 89 | 71 | 48 | 3.0 | | | |
| MIN | | | | 5.0 | 35 | 33 | 11 | 0 | 0 | | | |
| AC-FT | | | | 1,130 | 5,010 | 3,200 | 2,130 | 254 | 7.2 | | | |

40A 05000 Martinsdale Outlet Canal Below Reservoir near Martinsdale, MT

LOCATION -- Lat 46° 27' 40", long 110° 15' 50" SE¼ SE¼ NE¼ Sec. 18, T. 8 N., R. 12 E., Wheatland County, on right bank 0.1 mi (0.2 km) downstream from Martinsdale Reservoir, 2.6 mi (4.2 km) upstream from tailend of canal which is at river mile 350.6 (564.1 km), 2.4 mi (3.9 km) east of Martinsdale.

DRAINAGE AREA -- Above canal headgate (Martinsdale Reservoir) 327 sq. mi (847 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,700 ft (1,433 m) from topography map.

AVERAGE DISCHARGE -- 1961 to 1976 - 11,900 AF/season (14.6 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 324 $ft^3/s$ (9.18 $m^3/s$) August 12 and 13, 1966. Minimum discharge, no flow at times.

REMARKS -- Records good except for period of no gage height record. Canal supplies water to Musselshell river.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1961

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 50 | 155 | | | | | |
| 2 | | | | | | 53 | 155 | | | | | |
| 3 | | | | | | 53 | 155 | | | | | |
| 4 | | | | | | 55 | 155 | | | | | |
| 5 | | | | | | 60 | 147 | | | | | |
| 6 | | | | | | 60 | 113 | | | | | |
| 7 | | | | | | 60 | 117 | | | | | |
| 8 | | | | | | 58 | 121 | | | | | |
| 9 | | | | | | 58 | 121 | | | | | |
| 10 | | | | | | 60 | 126 | | | | | |
| 11 | | | | | | 60 | 121 | | | | | |
| 12 | | | | | | 60 | 82 | | | | | |
| 13 | | | | | | 63 | 31 | | | | | |
| 14 | | | | | | 63 | 24 | | | | | |
| 15 | | | | | | 63 | 40 | | | | | |
| 16 | | | | | | 66 | 38 | | | | | |
| 17 | | | | | | 66 | 17 | | | | | |
| 18 | | | | | | 69 | 0 | | | | | |
| 19 | | | | | | 72 | 0 | | | | | |
| 20 | | | | | | 72 | 0 | | | | | |
| 21 | | | | | | 72 | 0 | | | | | |
| 22 | | | | | | 72 | 0 | | | | | |
| 23 | | | | | | 79 | 0 | | | | | |
| 24 | | | | | | 82 | 0 | | | | | |
| 25 | | | | | | 59 | 0 | | | | | |
| 26 | | | | | | 48 | 0 | | | | | |
| 27 | | | | | | 55 | 0 | | | | | |
| 28 | | | | | | 63 | 0 | | | | | |
| 29 | | ------ | | | | 72 | 0 | | | | | |
| 30 | | ------ | | | | 109 | 0 | | | | | |
| 31 | | ------ | | ------ | | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | | 1,932 | 1,718 | | | | | |
| MEAN | | | | | | 64.4 | 55.4 | | | | | |
| MAX | | | | | | 109 | 155 | | | | | |
| MIN | | | | | | 48 | 0 | | | | | |
| AC-FT | | | | | | 3,830 | 3,410 | | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 41 | 0 | 25 | 122 | 22 | 0 | 62 | |
| 2 | | | | | 41 | 0 | 39 | 127 | 22 | 0 | 56 | |
| 3 | | | | | 41 | 0 | 50 | 132 | 22 | 0 | 0 | |
| 4 | | | | | 41 | 0 | 57 | 137 | 22 | 0 | 0 | |
| 5 | | | | | 41 | 0 | 65 | 147 | 22 | 0 | 0 | |
| 6 | | | | | 41 | 0 | 67 | 31 | 35 | 0 | 0 | |
| 7 | | | | | 41 | 0 | 70 | 22 | 35 | 0 | 0 | |
| 8 | | | | | 41 | 0 | 70 | 86 | 35 | 0 | 0 | |
| 9 | | | | | 41 | 0 | 62 | 137 | 33 | 0 | 0 | |
| 10 | | | | | 41 | 0 | 52 | 108 | 30 | 0 | 0 | |
| 11 | | | | | 41 | 0 | 55 | 100 | 30 | 0 | 0 | |
| 12 | | | | | 41 | 0 | 55 | 97 | 25 | 0 | 0 | |
| 13 | | | | | 41 | 0 | 39 | 93 | 0 | 0 | 0 | |
| 14 | | | | | 41 | 0 | 30 | 90 | 0 | 0 | 0 | |
| 15 | | | | | 41 | 0 | 31 | 90 | 0 | 0 | 0 | |
| 16 | | | | | 31 | 0 | 28 | 90 | 0 | 0 | 0 | |
| 17 | | | | | 27 | 0 | 0 | 86 | 0 | 0 | 0 | |
| 18 | | | | | 27 | 0 | 0 | 86 | 0 | 0 | 0 | |
| 19 | | | | | 27 | 0 | 0 | 83 | 0 | 0 | 13 | |
| 20 | | | | | 22 | 0 | 0 | 62 | 0 | 0 | 21 | |
| 21 | | | | | 0 | 0 | 0 | 47 | 0 | 0 | 22 | |
| 22 | | | | | 0 | 0 | 0 | 47 | 0 | 0 | 24 | |
| 23 | | | | | 0 | 0 | 0 | 47 | 0 | 45 | 25 | |
| 24 | | | | | 0 | 0 | 0 | 47 | 0 | 52 | 27 | |
| 25 | | | | | 0 | 0 | 19 | 45 | 0 | 55 | 27 | |
| 26 | | | | | 0 | 0 | 47 | 45 | 0 | 62 | 27 | |
| 27 | | | | | 0 | 0 | 93 | 33 | 0 | 62 | 27 | |
| 28 | | | | | 0 | 0 | 97 | 22 | 0 | 62 | 10 | |
| 29 | | ------ | | | 0 | 0 | 100 | 22 | 0 | 62 | 0 | |
| 30 | | ------ | | | 0 | 16 | 104 | 22 | 0 | 62 | 0 | |
| 31 | | ------ | | ------ | 0 | ------ | 117 | 22 | ------ | 62 | ------ | |
| TOTAL | | | | | 749 | 16 | 1,372 | 2,325 | 333 | 524 | 341 | |
| MEAN | | | | | 24.2 | .53 | 44.3 | 75.0 | 11.1 | 16.9 | 11.4 | |
| MAX | | | | | 41 | 16 | 117 | 147 | 35 | 62 | 62 | |
| MIN | | | | | 0 | 0 | 0 | 22 | 0 | 0 | 0 | |
| AC-FT | | | | | 1,490 | 32 | 2,720 | 4,610 | 661 | 1,040 | 676 | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 169 | | | | |
| 2 | | | | | | | 0 | 181 | | | | |
| 3 | | | | | | | 0 | 188 | | | | |
| 4 | | | | | | | 0 | 188 | | | | |
| 5 | | | | | | | 0 | 194 | | | | |
| 6 | | | | | | | 0 | 194 | | | | |
| 7 | | | | | | | 0 | 194 | | | | |
| 8 | | | | | | | 0 | 194 | | | | |
| 9 | | | | | | | 0 | 194 | | | | |
| 10 | | | | | | | 0 | 201 | | | | |
| 11 | | | | | | | 0 | 201 | | | | |
| 12 | | | | | | | 0 | 201 | | | | |
| 13 | | | | | | | 0 | 164 | | | | |
| 14 | | | | | | | 0 | 93 | | | | |
| 15 | | | | | | | 0 | 113 | | | | |
| 16 | | | | | | | 0 | 137 | | | | |
| 17 | | | | | | | 0 | 142 | | | | |
| 18 | | | | | | | 0 | 142 | | | | |
| 19 | | | | | | | 0 | 147 | | | | |
| 20 | | | | | | | 35 | 153 | | | | |
| 21 | | | | | | | 70 | 153 | | | | |
| 22 | | | | | | | 70 | 158 | | | | |
| 23 | | | | | | | 70 | 158 | | | | |
| 24 | | | | | | | 73 | 158 | | | | |
| 25 | | | | | | | 100 | 117 | | | | |
| 26 | | | | | | | 100 | 109 | | | | |
| 27 | | | | | | | 104 | 113 | | | | |
| 28 | | | | | | | 106 | 54 | | | | |
| 29 | | ------ | | | | | 169 | 113 | | | | |
| 30 | | ------ | | | | | 169 | 100 | | | | |
| 31 | | ------ | | ------ | | ------ | 169 | 86 | ------ | | ------ | |
| TOTAL | | | | | | | 1,235 | 4,709 | | | | |
| MEAN | | | | | | | 39.8 | 152 | | | | |
| MAX | | | | | | | 169 | 201 | | | | |
| MIN | | | | | | | 0 | 54 | | | | |
| AC-FT | | | | | | | 2,450 | 9,340 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | ARR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 4.0 | 8.0 | 246 | 30 | | | |
| 2 | | | | | | 4.0 | 8.0 | 246 | 0 | | | |
| 3 | | | | | | 4.0 | 8.0 | 252 | 0 | | | |
| 4 | | | | | | 4.0 | 10 | 252 | 0 | | | |
| 5 | | | | | | 4.0 | 10 | 258 | 0 | | | |
| 6 | | | | | | 4.0 | 10 | 258 | 0 | | | |
| 7 | | | | | | 4.0 | 11 | 258 | 0 | | | |
| 8 | | | | | | 4.0 | 12 | 258 | 0 | | | |
| 9 | | | | | | 4.0 | 12 | 258 | 0 | | | |
| 10 | | | | | | 4.0 | 13 | 258 | 0 | | | |
| 11 | | | | | | 4.0 | 31 | 252 | 0 | | | |
| 12 | | | | | | 4.0 | 62 | 252 | 0 | | | |
| 13 | | | | | | 4.0 | 70 | 252 | 0 | | | |
| 14 | | | | | | 4.0 | 82 | 260 | 0 | | | |
| 15 | | | | | | 4.0 | 64 | 252 | 0 | | | |
| 16 | | | | | | 4.0 | 42 | 252 | 0 | | | |
| 17 | | | | | | 4.0 | 50 | 194 | 0 | | | |
| 18 | | | | | | 4.0 | 62 | 122 | 0 | | | |
| 19 | | | | | | 6.0 | 70 | 126 | 0 | | | |
| 20 | | | | | | 6.0 | 86 | 126 | 0 | | | |
| 21 | | | | | | 6.0 | 86 | 118 | 0 | | | |
| 22 | | | | | | 6.0 | 90 | 90 | 0 | | | |
| 23 | | | | | | 6.0 | 132 | 93 | 0 | | | |
| 24 | | | | | | 6.0 | 136 | 93 | 0 | | | |
| 25 | | | | | | 6.0 | 194 | R2 | 0 | | | |
| 26 | | | | | | 6.0 | 194 | 73 | 0 | | | |
| 27 | | | | | | 7.0 | 188 | 73 | 0 | | | |
| 28 | | | | | | 7.0 | 200 | 73 | 0 | | | |
| 29 | | | | | | 7.0 | 206 | 73 | 0 | | | |
| 30 | | ------ | | | | 7.0 | 226 | 26 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 246 | 26 | ------ | | ------ | |
| TOTAL | | | | | | 148.0 | 2,619.0 | 5,452 | 30 | | | |
| MEAN | | | | | | 4.93 | 84.5 | 176 | 1.00 | | | |
| MAX | | | | | | 7.0 | 246 | 260 | 30 | | | |
| MIN | | | | | | 4.0 | 8.0 | 26 | 0 | | | |
| AC-FT | | | | | | 294 | 5,190 | 10,810 | 60 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 33 | 176 | | | | |
| 2 | | | | | | 0 | 33 | 176 | | | | |
| 3 | | | | | | 0 | 33 | 176 | | | | |
| 4 | | | | | | 0 | 33 | 176 | | | | |
| 5 | | | | | | 0 | 18 | 122 | | | | |
| 6 | | | | | | 0 | 0 | 86 | | | | |
| 7 | | | | | | 0 | 0 | 86 | | | | |
| 8 | | | | | | 0 | 0 | 86 | | | | |
| 9 | | | | | | 0 | 0 | 86 | | | | |
| 10 | | | | | | 0 | 0 | 86 | | | | |
| 11 | | | | | | 0 | 0 | 86 | | | | |
| 12 | | | | | | 0 | 0 | 86 | | | | |
| 13 | | | | | | 0 | 0 | 86 | | | | |
| 14 | | | | | | 0 | 0 | 86 | | | | |
| 15 | | | | | | 0 | 0 | 83 | | | | |
| 16 | | | | | | 0 | 0 | 70 | | | | |
| 17 | | | | | | 0 | 0 | 56 | | | | |
| 18 | | | | | | 0 | 15 | 49 | | | | |
| 19 | | | | | | 0 | 30 | 49 | | | | |
| 20 | | | | | | 0 | 37 | 49 | | | | |
| 21 | | | | | | 0 | 62 | 49 | | | | |
| 22 | | | | | | 0 | 79 | 27 | | | | |
| 23 | | | | | | 0 | 100 | 0 | | | | |
| 24 | | | | | | 0 | 100 | 0 | | | | |
| 25 | | | | | | 0 | 100 | 0 | | | | |
| 26 | | | | | | 0 | 100 | 0 | | | | |
| 27 | | | | | | 8.0 | 100 | 0 | | | | |
| 28 | | | | | | 33 | 108 | 0 | | | | |
| 29 | | ------ | | | | 33 | 147 | 0 | | | | |
| 30 | | ------ | | | | 33 | 176 | 0 | | | | |
| 31 | | ------ | | ------ | | ------ | 176 | 0 | ------ | | ------ | |
| TOTAL | | | | | | 107.0 | 1,480 | 2,032 | 0 | | | |
| MEAN | | | | | | 3.57 | 47.7 | 65.5 | 0 | | | |
| MAX | | | | | | 33 | 176 | 176 | 0 | | | |
| MIN | | | | | | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | | 212 | 2,940 | 4,030 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 10 | 59 | 279 | | | | |
| 2 | | | | | | 10 | 59 | 285 | | | | |
| 3 | | | | | | 10 | 59 | 285 | | | | |
| 4 | | | | | | 10 | 59 | 292 | | | | |
| 5 | | | | | | 10 | 62 | 292 | | | | |
| 6 | | | | | | 19 | 62 | 298 | | | | |
| 7 | | | | | | 19 | 62 | 305 | | | | |
| 8 | | | | | | 19 | 62 | 305 | | | | |
| 9 | | | | | | 19 | 62 | 311 | | | | |
| 10 | | | | | | 19 | 62 | 311 | | | | |
| 11 | | | | | | 28 | 73 | 318 | | | | |
| 12 | | | | | | 28 | 83 | 324 | | | | |
| 13 | | | | | | 28 | 83 | 324 | | | | |
| 14 | | | | | | 28 | 83 | 259 | | | | |
| 15 | | | | | | 39 | 83 | 182 | | | | |
| 16 | | | | | | 45 | 83 | 188 | | | | |
| 17 | | | | | | 45 | 83 | 182 | | | | |
| 18 | | | | | | 47 | 83 | 153 | | | | |
| 19 | | | | | | 47 | 83 | 104 | | | | |
| 20 | | | | | | 54 | 83 | 104 | | | | |
| 21 | | | | | | 62 | 83 | 108 | | | | |
| 22 | | | | | | 62 | 83 | 108 | | | | |
| 23 | | | | | | 62 | 83 | 108 | | | | |
| 24 | | | | | | 62 | 83 | 108 | | | | |
| 25 | | | | | | 65 | 83 | 108 | | | | |
| 26 | | | | | | 59 | 131 | 104 | | | | |
| 27 | | | | | | 54 | 194 | 70 | | | | |
| 28 | | | | | | 54 | 220 | 59 | | | | |
| 29 | | ------ | | | | 56 | 259 | 59 | | | | |
| 30 | | ------ | | | | 56 | 272 | 19 | | | | |
| 31 | | ------ | | ------ | | ------ | 272 | 0 | ------ | | ------ | |
| TOTAL | | | | | | 1,126 | 3,191 | 5,952 | 0 | | | |
| MEAN | | | | | | 37.5 | 103 | 192 | 0 | | | |
| MAX | | | | | | 65 | 272 | 324 | 0 | | | |
| MIN | | | | | | 10 | 59 | 0 | 0 | | | |
| AC-FT | | | | | | 2,230 | 6,330 | 11,810 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 104 | | | | |
| 2 | | | | | | | 0 | 104 | | | | |
| 3 | | | | | | | 0 | 104 | | | | |
| 4 | | | | | | | 0 | 131 | | | | |
| 5 | | | | | | | 0 | 153 | | | | |
| 6 | | | | | | | 0 | 153 | | | | |
| 7 | | | | | | | 0 | 153 | | | | |
| 8 | | | | | | | 0 | 170 | | | | |
| 9 | | | | | | | 0 | 170 | | | | |
| 10 | | | | | | | 0 | 170 | | | | |
| 11 | | | | | | | 0 | 170 | | | | |
| 12 | | | | | | | 0 | 170 | | | | |
| 13 | | | | | | | 0 | 170 | | | | |
| 14 | | | | | | | 0 | 170 | | | | |
| 15 | | | | | | | 0 | 170 | | | | |
| 16 | | | | | | | 0 | 170 | | | | |
| 17 | | | | | | | 0 | 170 | | | | |
| 18 | | | | | | | 0 | 170 | | | | |
| 19 | | | | | | | 0 | 136 | | | | |
| 20 | | | | | | | 0 | 108 | | | | |
| 21 | | | | | | | 0 | 108 | | | | |
| 22 | | | | | | | 0 | 117 | | | | |
| 23 | | | | | | | 0 | 117 | | | | |
| 24 | | | | | | | 0 | 117 | | | | |
| 25 | | | | | | | 0 | 117 | | | | |
| 26 | | | | | | | 0 | 117 | | | | |
| 27 | | | | | | | 12 | 117 | | | | |
| 28 | | | | | | | 37 | 104 | | | | |
| 29 | | ------ | | | | | 47 | 51 | | | | |
| 30 | | ------ | | | | | 47 | 51 | | | | |
| 31 | | ------ | | ------ | | ------ | 76 | 0 | ------ | | ------ | |
| TOTAL | | | | | | | 219 | 4,032 | 0 | | | |
| MEAN | | | | | | | 7.06 | 130 | 0 | | | |
| MAX | | | | | | | 76 | 170 | 0 | | | |
| MIN | | | | | | | 0 | 0 | 0 | | | |
| AC-FT | | | | | | | 434 | 8,000 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | | 0 | 108 | 35 | | | |
| 2 | | | | | 0 | | 0 | 113 | 35 | | | |
| 3 | | | | | 0 | | 0 | 113 | 35 | | | |
| 4 | | | | | 0 | | 0 | 117 | 35 | | | |
| 5 | | | | | 0 | | 0 | 122 | 35 | | | |
| 6 | | | | | 0 | | 0 | 188 | 35 | | | |
| 7 | | | | | 0 | | 0 | 188 | 35 | | | |
| 8 | | | | | 0 | | 0 | 188 | 0 | | | |
| 9 | | | | | 0 | | 0 | 188 | 0 | | | |
| 10 | | | | | 0 | | 0 | 188 | 0 | | | |
| 11 | | | | | 0 | | 0 | 188 | 0 | | | |
| 12 | | | | | 0 | | 0 | 188 | 0 | | | |
| 13 | | | | | 0 | | 0 | 188 | 0 | | | |
| 14 | | | | | 18 | | 0 | 182 | 0 | | | |
| 15 | | | | | 35 | | 0 | 136 | 0 | | | |
| 16 | | | | | 25 | | 0 | 142 | 0 | | | |
| 17 | | | | | 19 | | 0 | 142 | 0 | | | |
| 18 | | | | | 0 | | 0 | 142 | 0 | | | |
| 19 | | | | | 0 | | 0 | 142 | 0 | | | |
| 20 | | | | | 0 | | 0 | 117 | 0 | | | |
| 21 | | | | | 0 | | 0 | 49 | 0 | | | |
| 22 | | | | | 0 | | 0 | 45 | 0 | | | |
| 23 | | | | | 0 | | 0 | 35 | 0 | | | |
| 24 | | | | | 0 | | 0 | 33 | 0 | | | |
| 25 | | | | | 0 | | 0 | 35 | 0 | | | |
| 26 | | | | | 0 | | 0 | 35 | 0 | | | |
| 27 | | | | | 0 | | 0 | 35 | 0 | | | |
| 28 | | | | | 0 | | 13 | 35 | 0 | | | |
| 29 | | | | | 0 | | 41 | 35 | 0 | | | |
| 30 | | ------ | | | 0 | | 108 | 35 | 0 | | | |
| 31 | | ------ | | ------ | 0 | ------ | 113 | 35 | ------ | | ------ | |
| TOTAL | | | | | 97 | 0 | 275 | 3,487 | 245 | | | |
| MEAN | | | | | 3.13 | 0 | 8.87 | 112 | 8.17 | | | |
| MAX | | | | | 35 | 0 | 113 | 188 | 35 | | | |
| MIN | | | | | 0 | 0 | 0 | 33 | 0 | | | |
| AC-FT | | | | | 192 | 0 | 545 | 6,920 | 486 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 51 | 4.0 | 193 | 35 | | | |
| 2 | | | | | | 47 | 4.0 | 193 | 35 | | | |
| 3 | | | | | | 63 | 4.0 | 199 | 35 | | | |
| 4 | | | | | | 96 | 4.0 | 225 | 33 | | | |
| 5 | | | | | | 186 | 3.0 | 225 | 33 | | | |
| 6 | | | | | | 186 | 3.0 | 219 | 35 | | | |
| 7 | | | | | | 186 | 3.0 | 219 | 35 | | | |
| 8 | | | | | | 130 | 3.0 | 212 | 33 | | | |
| 9 | | | | | | 78 | 2.0 | 186 | 33 | | | |
| 10 | | | | | | 78 | 2.0 | 126 | 35 | | | |
| 11 | | | | | | 78 | 2.0 | 130 | 35 | | | |
| 12 | | | | | | 72 | 3.0 | 135 | 35 | | | |
| 13 | | | | | | 53 | 2.0 | 130 | 35 | | | |
| 14 | | | | | | 58 | 2.0 | 78 | 37 | | | |
| 15 | | | | | | 56 | 2.0 | 43 | 37 | | | |
| 16 | | | | | | 51 | 2.0 | 45 | 35 | | | |
| 17 | | | | | | 53 | 2.0 | 47 | 35 | | | |
| 18 | | | | | | 58 | 2.0 | 47 | 37 | | | |
| 19 | | | | | | 61 | 2.0 | 43 | 37 | | | |
| 20 | | | | | | 63 | 2.0 | 39 | 37 | | | |
| 21 | | | | | | 63 | 2.0 | 41 | 37 | | | |
| 22 | | | | | | 63 | 2.0 | 43 | 37 | | | |
| 23 | | | | | | 63 | 1.0 | 37 | 37 | | | |
| 24 | | | | | | 63 | 1.0 | 37 | 35 | | | |
| 25 | | | | | | 66 | 19 | 35 | 35 | | | |
| 26 | | | | | | 37 | 167 | 33 | 35 | | | |
| 27 | | | | | | 6.0 | 173 | 33 | 29 | | | |
| 28 | | | | | | 6.0 | 173 | 33 | 20 | | | |
| 29 | | ------ | | | | 4.0 | 173 | 33 | 20 | | | |
| 30 | | ------ | | | | 4.0 | 173 | 33 | 19 | | | |
| 31 | | ------ | | ------ | | ------ | 180 | 35 | ------ | | ------ | |
| TOTAL | | | | | | 2,079.0 | 1,117.0 | 3,127 | 1,006 | | | |
| MEAN | | | | | | 69.3 | 36.0 | 101 | 33.5 | | | |
| MAX | | | | | | 186 | 180 | 225 | 37 | | | |
| MIN | | | | | | 4.0 | 1.0 | 33 | 19 | | | |
| AC-FT | | | | | | 4,120 | 2,220 | 6,200 | 2,000 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 14 | 17 | 121 | 75 | | | |
| 2 | | | | | | 14 | 19 | 121 | 75 | | | |
| 3 | | | | | | 14 | 20 | 121 | 72 | | | |
| 4 | | | | | | 16 | 23 | 121 | 72 | | | |
| 5 | | | | | | 16 | 25 | 100 | 69 | | | |
| 6 | | | | | | 16 | 29 | 0 | 69 | | | |
| 7 | | | | | | 16 | 31 | 0 | 66 | | | |
| 8 | | | | | | 16 | 31 | 0 | 69 | | | |
| 9 | | | | | | 14 | 31 | 0 | 58 | | | |
| 10 | | | | | | 14 | 29 | 9.0 | 19 | | | |
| 11 | | | | | | 13 | 31 | 51 | 19 | | | |
| 12 | | | | | | 13 | 29 | 49 | 19 | | | |
| 13 | | | | | | 12 | 31 | 51 | 19 | | | |
| 14 | | | | | | 11 | 29 | 49 | 19 | | | |
| 15 | | | | | | 11 | 45 | 49 | 19 | | | |
| 16 | | | | | | 9.0 | 186 | 51 | 19 | | | |
| 17 | | | | | | 12 | 180 | 63 | 19 | | | |
| 18 | | | | | | 16 | 186 | 63 | 19 | | | |
| 19 | | | | | | 16 | 186 | 63 | 0 | | | |
| 20 | | | | | | 16 | 193 | 61 | 0 | | | |
| 21 | | | | | | 16 | 193 | 63 | 0 | | | |
| 22 | | | | | | 16 | 193 | 61 | 0 | | | |
| 23 | | | | | | 16 | 193 | 61 | 0 | | | |
| 24 | | | | | | 17 | 193 | 61 | 0 | | | |
| 25 | | | | | | 17 | 193 | 61 | 0 | | | |
| 26 | | | | | | 19 | 193 | 69 | 0 | | | |
| 27 | | | | | | 19 | 193 | 78 | 0 | | | |
| 28 | | | | | | 17 | 173 | 78 | 0 | | | |
| 29 | | ------ | | | | 17 | 121 | 75 | 0 | | | |
| 30 | | ------ | | | | 17 | 121 | 75 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 121 | 78 | ------ | | ------ | |
| TOTAL | | | | | | 450.0 | 3,238 | 1,903.0 | 796 | | | |
| MEAN | | | | | | 15.0 | 104 | 61.4 | 26.5 | | | |
| MAX | | | | | | 19 | 193 | 121 | 75 | | | |
| MIN | | | | | | 9.0 | 17 | 0 | 0 | | | |
| AC-FT | | | | | | 893 | 6,420 | 3,770 | 1,580 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 9.0 | 45 | 212 | 58 | | | |
| 2 | | | | | | 9.0 | 45 | 212 | 58 | | | |
| 3 | | | | | | 9.0 | 45 | 212 | 60 | | | |
| 4 | | | | | | 9.0 | 45 | 212 | 60 | | | |
| 5 | | | | | | 9.0 | 45 | 161 | 60 | | | |
| 6 | | | | | | 9.0 | 45 | 161 | 60 | | | |
| 7 | | | | | | 10 | 45 | 161 | 60 | | | |
| 8 | | | | | | 10 | 45 | 161 | 60 | | | |
| 9 | | | | | | 10 | 43 | 156 | 54 | | | |
| 10 | | | | | | 10 | 43 | 108 | 0 | | | |
| 11 | | | | | | 10 | 45 | 108 | 0 | | | |
| 12 | | | | | | 10 | 39 | 112 | 0 | | | |
| 13 | | | | | | 10 | 0 | 112 | 0 | | | |
| 14 | | | | | | 10 | 0 | 116 | 0 | | | |
| 15 | | | | | | 10 | 0 | 116 | 0 | | | |
| 16 | | | | | | 10 | 6.2 | 108 | 0 | | | |
| 17 | | | | | | 10 | 49 | 72 | 0 | | | |
| 18 | | | | | | 10 | 49 | 75 | 0 | | | |
| 19 | | | | | | 10 | 51 | 78 | 0 | | | |
| 20 | | | | | | 10 | 72 | 78 | 0 | | | |
| 21 | | | | | | 10 | 145 | 72 | 0 | | | |
| 22 | | | | | | 10 | 150 | 66 | 0 | | | |
| 23 | | | | | | 10 | 186 | 66 | 0 | | | |
| 24 | | | | | | 11 | 180 | 66 | 0 | | | |
| 25 | | | | | | 43 | 186 | 53 | 0 | | | |
| 26 | | | | | | 43 | 186 | 56 | 0 | | | |
| 27 | | | | | | 43 | 225 | 56 | 0 | | | |
| 28 | | | | | | 43 | 225 | 56 | 0 | | | |
| 29 | | ------ | | | | 43 | 225 | 58 | 0 | | | |
| 30 | | ------ | | | | 45 | 225 | 60 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 218 | 60 | ------ | | ------ | |
| TOTAL | | | | | | 495.0 | 2,908.2 | 3,400 | 530 | | | |
| MEAN | | | | | | 16.5 | 93.8 | 110 | 17.7 | | | |
| MAX | | | | | | 45 | 225 | 212 | 60 | | | |
| MIN | | | | | | 9.0 | 0 | 53 | 0 | | | |
| AC-FT | | | | | | 982 | 5,770 | 6,740 | 1,050 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 12 | 25 | 186 | 19 | | | |
| 2 | | | | | 0 | 12 | 25 | 186 | 19 | | | |
| 3 | | | | | 0 | 12 | 27 | 186 | 19 | | | |
| 4 | | | | | 0 | 12 | 25 | 186 | 19 | | | |
| 5 | | | | | 0 | 12 | 25 | 186 | 17 | | | |
| 6 | | | | | 0 | 12 | 27 | 180 | 17 | | | |
| 7 | | | | | 0 | 12 | 37 | 186 | 17 | | | |
| 8 | | | | | 0 | 12 | 40 | 180 | 17 | | | |
| 9 | | | | | 0 | 12 | 40 | 167 | 17 | | | |
| 10 | | | | | 0 | 12 | 40 | 150 | 17 | | | |
| 11 | | | | | 0 | 12 | 47 | 150 | 17 | | | |
| 12 | | | | | 0 | 13 | 72 | 150 | 15 | | | |
| 13 | | | | | 0 | 12 | 52 | 150 | 15 | | | |
| 14 | | | | | 0 | 13 | 52 | 150 | 15 | | | |
| 15 | | | | | 0 | 13 | 60 | 150 | 12 | | | |
| 16 | | | | | 0 | 13 | 55 | 145 | 13 | | | |
| 17 | | | | | 0 | 13 | 55 | 126 | 13 | | | |
| 18 | | | | | 0 | 15 | 57 | 108 | 13 | | | |
| 19 | | | | | 0 | 15 | 55 | 112 | 13 | | | |
| 20 | | | | | 0 | 21 | 57 | 108 | 12 | | | |
| 21 | | | | | 0 | 37 | 57 | 75 | 12 | | | |
| 22 | | | | | 0 | 47 | 57 | 31 | 12 | | | |
| 23 | | | | | 0 | 47 | 57 | 21 | 12 | | | |
| 24 | | | | | 4.3 | 45 | 57 | 17 | 12 | | | |
| 25 | | | | | 13 | 40 | 57 | 17 | 12 | | | |
| 26 | | | | | 12 | 33 | 57 | 17 | 12 | | | |
| 27 | | | | | 12 | 21 | 57 | 17 | 12 | | | |
| 28 | | | | | 13 | 8.5 | 57 | 19 | 12 | | | |
| 29 | | | | | 13 | 7.0 | 112 | 19 | 10 | | | |
| 30 | | ------ | | | 13 | 15 | 199 | 17 | 10 | | | |
| 31 | | ------ | | ------ | 13 | ------ | 186 | 17 | ------ | | ------ | |
| TOTAL | | | | | 93.3 | 560.5 | 1,826 | 3,409 | 432 | | | |
| MEAN | | | | | 3.01 | 18.7 | 58.9 | 110 | 14.4 | | | |
| MAX | | | | | 13 | 47 | 199 | 186 | 19 | | | |
| MIN | | | | | 0 | 7.0 | 25 | 17 | 10 | | | |
| AC-FT | | | | | 185 | 1,110 | 3,620 | 6,760 | 857 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 246 | 78 | 81 | | | | |
| 2 | | | | | | 246 | 63 | 81 | | | | |
| 3 | | | | | | 246 | 63 | 81 | | | | |
| 4 | | | | | | 219 | 57 | 81 | | | | |
| 5 | | | | | | 193 | 40 | 78 | | | | |
| 6 | | | | | | 186 | 37 | 72 | | | | |
| 7 | | | | | | 161 | 37 | 57 | | | | |
| 8 | | | | | | 140 | 27 | 31 | | | | |
| 9 | | | | | | 140 | 27 | 10 | | | | |
| 10 | | | | | | 140 | 27 | 0 | | | | |
| 11 | | | | | | 140 | 35 | 0 | | | | |
| 12 | | | | | | 140 | 42 | 0 | | | | |
| 13 | | | | | | 135 | 45 | 0 | | | | |
| 14 | | | | | | 135 | 40 | 0 | | | | |
| 15 | | | | | | 96 | 40 | 0 | | | | |
| 16 | | | | | | 66 | 45 | 0 | | | | |
| 17 | | | | | | 69 | 52 | 0 | | | | |
| 18 | | | | | | 52 | 57 | 0 | | | | |
| 19 | | | | | | 40 | 69 | 0 | | | | |
| 20 | | | | | | 40 | 81 | 0 | | | | |
| 21 | | | | | | 37 | 88 | 0 | | | | |
| 22 | | | | | | 37 | 81 | 0 | | | | |
| 23 | | | | | | 42 | 81 | 0 | | | | |
| 24 | | | | | | 50 | 81 | 0 | | | | |
| 25 | | | | | | 50 | 81 | 0 | | | | |
| 26 | | | | | | 60 | 81 | 0 | | | | |
| 27 | | | | | | 78 | 81 | 0 | | | | |
| 28 | | | | | | 88 | 81 | 0 | | | | |
| 29 | | ------ | | | | 88 | 81 | 0 | | | | |
| 30 | | ------ | | | | 88 | 81 | 0 | | | | |
| 31 | | ------ | | ------ | | ------ | 81 | 0 | ------ | | ------ | |
| TOTAL | | | | | | 3,448 | 1,860 | 572 | | | | |
| MEAN | | | | | | 115 | 60.0 | 18.5 | | | | |
| MAX | | | | | | 246 | 88 | 81 | | | | |
| MIN | | | | | | 37 | 27 | 0 | | | | |
| AC-FT | | | | | | 6,840 | 3,690 | 1,130 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 10 | 15 | 45 | 225 | | | | |
| 2 | | | | | 10 | 15 | 45 | 225 | | | | |
| 3 | | | | | 10 | 15 | 45 | 219 | | | | |
| 4 | | | | | 10 | 15 | 45 | 219 | | | | |
| 5 | | | | | 10 | 15 | 45 | 212 | | | | |
| 6 | | | | | 10 | 15 | 45 | 205 | | | | |
| 7 | | | | | 10 | 15 | 45 | 205 | | | | |
| 8 | | | | | 10 | 19 | 45 | 205 | | | | |
| 9 | | | | | 10 | 27 | 45 | 167 | | | | |
| 10 | | | | | 10 | 27 | 45 | 104 | | | | |
| 11 | | | | | 11 | 27 | 45 | 104 | | | | |
| 12 | | | | | 11 | 27 | 45 | 104 | | | | |
| 13 | | | | | 10 | 29 | 45 | 104 | | | | |
| 14 | | | | | 11 | 35 | 45 | 104 | | | | |
| 15 | | | | | 10 | 39 | 45 | 104 | | | | |
| 16 | | | | | 10 | 42 | 42 | 104 | | | | |
| 17 | | | | | 11 | 45 | 57 | 104 | | | | |
| 18 | | | | | 11 | 45 | 104 | 104 | | | | |
| 19 | | | | | 11 | 45 | 121 | 85 | | | | |
| 20 | | | | | 11 | 45 | 161 | 57 | | | | |
| 21 | | | | | 11 | 45 | 155 | 57 | | | | |
| 22 | | | | | 11 | 45 | 173 | 57 | | | | |
| 23 | | | | | 11 | 45 | 193 | 19 | | | | |
| 24 | | | | | 11 | 45 | 193 | 0 | | | | |
| 25 | | | | | 13 | 45 | 193 | 0 | | | | |
| 26 | | | | | 13 | 45 | 193 | 0 | | | | |
| 27 | | | | | 13 | 45 | 186 | 0 | | | | |
| 28 | | | | | 13 | 45 | 179 | 0 | | | | |
| 29 | | ------ | | | 13 | 45 | 179 | 0 | | | | |
| 30 | | ------ | | | 13 | 45 | 173 | 0 | | | | |
| 31 | | ------ | | ------ | 13 | ------ | 199 | 0 | ------ | | ------ | |
| TOTAL | | | | | 342 | 1,007 | 3,176 | 3,093 | 0 | | | |
| MEAN | | | | | 11.0 | 33.6 | 102 | 99.8 | 0 | | | |
| MAX | | | | | 13 | 45 | 199 | 225 | 0 | | | |
| MIN | | | | | 10 | 15 | 42 | 0 | 0 | | | |
| AC-FT | | | | | 678 | 2,000 | 6,300 | 6,130 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 35 | 25 | 47 | | | |
| 2 | | | | | | 0 | 35 | 25 | 47 | | | |
| 3 | | | | | | 0 | 35 | 25 | 47 | | | |
| 4 | | | | | | 0 | 35 | 27 | 47 | | | |
| 5 | | | | | | 0 | 35 | 27 | 47 | | | |
| 6 | | | | | | 0 | 35 | 27 | 45 | | | |
| 7 | | | | | | 16 | 35 | 27 | 45 | | | |
| 8 | | | | | | 27 | 25 | 27 | 45 | | | |
| 9 | | | | | | 29 | 17 | 31 | 45 | | | |
| 10 | | | | | | 29 | 17 | 37 | 45 | | | |
| 11 | | | | | | 29 | 17 | 37 | 45 | | | |
| 12 | | | | | | 29 | 17 | 40 | 45 | | | |
| 13 | | | | | | 29 | 17 | 40 | 45 | | | |
| 14 | | | | | | 29 | 6.5 | 40 | 45 | | | |
| 15 | | | | | | 29 | 0 | 42 | 45 | | | |
| 16 | | | | | | 29 | 0 | 50 | 45 | | | |
| 17 | | | | | | 29 | 0 | 57 | 42 | | | |
| 18 | | | | | | 29 | 0 | 57 | 42 | | | |
| 19 | | | | | | 40 | 0 | 57 | 42 | | | |
| 20 | | | | | | 47 | 0 | 55 | 42 | | | |
| 21 | | | | | | 47 | 0 | 52 | 42 | | | |
| 22 | | | | | | 47 | 0 | 52 | 42 | | | |
| 23 | | | | | | 40 | 4.3 | 50 | 42 | | | |
| 24 | | | | | | 33 | 17 | 47 | 42 | | | |
| 25 | | | | | | 33 | 23 | 47 | 42 | | | |
| 26 | | | | | | 33 | 23 | 45 | 37 | | | |
| 27 | | | | | | 33 | 23 | 45 | 35 | | | |
| 28 | | | | | | 35 | 25 | 45 | 35 | | | |
| 29 | | ------ | | | | 35 | 25 | 47 | 35 | | | |
| 30 | | ------ | | | | 35 | 25 | 47 | 29 | | | |
| 31 | | ------ | | ------ | | ------ | 25 | 47 | ------ | | ------ | |
| TOTAL | | | | | 0 | 791 | 551.8 | 1,277 | 1,279 | | | |
| MEAN | | | | | 0 | 26.4 | 17.8 | 41.2 | 42.6 | | | |
| MAX | | | | | 0 | 47 | 35 | 57 | 47 | | | |
| MIN | | | | | 0 | 0 | 0 | 25 | 29 | | | |
| AC-FT | | | | | 0 | 1,570 | 1,090 | 2,530 | 2,540 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

MARTINSDALE OUTLET CANAL BELOW RESERVOIR NUMBER 40A 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 31 | 25 | 78 | 50 | | | |
| 2 | | | | | 0 | 31 | 25 | 78 | 50 | | | |
| 3 | | | | | 0 | 31 | 27 | 81 | 55 | | | |
| 4 | | | | | 0 | 33 | 27 | 81 | 55 | | | |
| 5 | | | | | 0 | 33 | 25 | 85 | 55 | | | |
| 6 | | | | | 0 | 33 | 25 | 81 | 55 | | | |
| 7 | | | | | 0 | 31 | 25 | 72 | 55 | | | |
| 8 | | | | | 0 | 31 | 25 | 60 | 57 | | | |
| 9 | | | | | 0 | 31 | 25 | 63 | 60 | | | |
| 10 | | | | | 0 | 33 | 25 | 63 | 60 | | | |
| 11 | | | | | 0 | 33 | 27 | 60 | 60 | | | |
| 12 | | | | | 0 | 33 | 27 | 55 | 60 | | | |
| 13 | | | | | 0 | 31 | 29 | 57 | 60 | | | |
| 14 | | | | | 0 | 31 | 29 | 55 | 57 | | | |
| 15 | | | | | 0 | 31 | 31 | 60 | 57 | | | |
| 16 | | | | | 0 | 31 | 29 | 55 | 57 | | | |
| 17 | | | | | 0 | 31 | 29 | 47 | 55 | | | |
| 18 | | | | | 12 | 31 | 27 | 42 | 55 | | | |
| 19 | | | | | 19 | 29 | 27 | 37 | 55 | | | |
| 20 | | | | | 23 | 31 | 27 | 35 | 42 | | | |
| 21 | | | | | 27 | 31 | 27 | 33 | 21 | | | |
| 22 | | | | | 27 | 31 | 27 | 31 | 21 | | | |
| 23 | | | | | 27 | 31 | 27 | 31 | 21 | | | |
| 24 | | | | | 27 | 31 | 27 | 35 | 21 | | | |
| 25 | | | | | 27 | 31 | 25 | 35 | 21 | | | |
| 26 | | | | | 27 | 33 | 37 | 35 | 21 | | | |
| 27 | | | | | 29 | 31 | 47 | 35 | 12 | | | |
| 28 | | | | | 29 | 31 | 47 | 42 | 4.0 | | | |
| 29 | | | | | 29 | 31 | 52 | 50 | 0 | | | |
| 30 | | ------ | | | 31 | 29 | 63 | 50 | 0 | | | |
| 31 | | ------ | | ------ | 31 | ------ | 78 | 50 | ------ | | ------ | |
| TOTAL | | | | | 365 | 940 | 993 | 1,672 | 1,252.0 | | | |
| MEAN | | | | | 11.8 | 31.3 | 32.0 | 53.9 | 41.7 | | | |
| MAX | | | | | 31 | 33 | 78 | 85 | 60 | | | |
| MIN | | | | | 0 | 29 | 25 | 31 | 0 | | | |
| AC-FT | | | | | 724 | 1,860 | 1,970 | 3,320 | 2,480 | | | |

40A 07000 Two Dot Canal Below Headgate near Two Dot, MT

LOCATION -- Lat 46° 26" 40", long 110° 09' 10" in NE¼ NW¼ NW¼ Sec. 19, T. 8 N., R. 13 E., Wheatland County, on right bank 0.1 mi (0.2 km) downstream from headgate which is at river mile 346.0 (556.7 km), 8 mi (13 km) east of Martinsdale, and 4 mi (6 km) west of Two Dot.

DRAINAGE AREA -- Above canal headgate 660 sq. mi (1,709 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,530 ft (1,381 m) from topography map.

AVERAGE DISCHARGE -- 1961 to 1976 - 16,300 AF/season (20.1 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 190 $ft^3/s$ (5.38 $m^3/s$) June 2 and 3, 1973. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of no gage height record or periods of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1961

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 85 | 62 | 14 | | | | |
| 2 | | | | | | 85 | 62 | 5.5 | | | | |
| 3 | | | | | | 85 | 62 | 0 | | | | |
| 4 | | | | | | 84 | 64 | 3.0 | | | | |
| 5 | | | | | | 85 | 67 | 3.0 | | | | |
| 6 | | | | | | 85 | 70 | 8.5 | | | | |
| 7 | | | | | | 85 | 73 | 5.5 | | | | |
| 8 | | | | | | 85 | 70 | 5.5 | | | | |
| 9 | | | | | | 87 | 70 | 5.5 | | | | |
| 10 | | | | | | 87 | 70 | 8.5 | | | | |
| 11 | | | | | | 89 | 73 | 3.0 | | | | |
| 12 | | | | | | 89 | 70 | 5.5 | | | | |
| 13 | | | | | | 91 | 47 | 3.0 | | | | |
| 14 | | | | | | 91 | 29 | 8.5 | | | | |
| 15 | | | | | | 91 | 13 | 8.5 | | | | |
| 16 | | | | | | 91 | 13 | 5.5 | | | | |
| 17 | | | | | | 91 | 17 | 8.5 | | | | |
| 18 | | | | | | 93 | 13 | 5.5 | | | | |
| 19 | | | | | | 93 | 0 | 8.5 | | | | |
| 20 | | | | | | 89 | 0 | 5.5 | | | | |
| 21 | | | | | | 87 | 15 | 8.5 | | | | |
| 22 | | | | | | 89 | 17 | 5.5 | | | | |
| 23 | | | | | | 91 | 13 | 8.5 | | | | |
| 24 | | | | | | 89 | 13 | 5.5 | | | | |
| 25 | | | | | | 47 | 13 | 8.5 | | | | |
| 26 | | | | | | 44 | 21 | 5.5 | | | | |
| 27 | | | | | | 49 | 23 | 5.5 | | | | |
| 28 | | | | | | 54 | 23 | 5.5 | | | | |
| 29 | | ------ | | | | 59 | 21 | 5.5 | | | | |
| 30 | | ------ | | | | 59 | 21 | 5.5 | | | | |
| 31 | | ------ | | ------ | | ------ | 15 | 5.5 | ------ | | ------ | |
| TOTAL | | | | | | 2,429 | 1,140 | 190.5 | | | | |
| MEAN | | | | | | 81.0 | 36.8 | 6.15 | | | | |
| MAX | | | | | | 93 | 73 | 14 | | | | |
| MIN | | | | | | 44 | 0 | 0 | | | | |
| AC-FT | | | | | | 4,820 | 2,260 | 378 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 61 | 51 | 33 | | | |
| 2 | | | | | | 0 | 64 | 50 | 33 | | | |
| 3 | | | | | | 0 | 64 | 49 | 33 | | | |
| 4 | | | | | | 0 | 62 | 51 | 33 | | | |
| 5 | | | | | | 0 | 64 | 51 | 32 | | | |
| 6 | | | | | | 0 | 69 | 51 | 30 | | | |
| 7 | | | | | | 0 | 67 | 47 | 30 | | | |
| 8 | | | | | | 20 | 60 | 48 | 29 | | | |
| 9 | | | | | | 33 | 55 | 51 | 29 | | | |
| 10 | | | | | | 33 | 51 | 52 | 28 | | | |
| 11 | | | | | | 33 | 51 | 55 | 27 | | | |
| 12 | | | | | | 35 | 54 | 54 | 20 | | | |
| 13 | | | | | | 37 | 50 | 57 | 9.0 | | | |
| 14 | | | | | | 26 | 46 | 57 | 9.0 | | | |
| 15 | | | | | | 25 | 45 | 57 | 9.0 | | | |
| 16 | | | | | | 24 | 44 | 56 | 8.0 | | | |
| 17 | | | | | | 25 | 43 | 55 | 8.0 | | | |
| 18 | | | | | | 21 | 42 | 54 | 7.0 | | | |
| 19 | | | | | | 17 | 44 | 54 | 7.0 | | | |
| 20 | | | | | | 17 | 30 | 53 | 7.0 | | | |
| 21 | | | | | | 17 | 21 | 50 | 7.0 | | | |
| 22 | | | | | | 19 | 23 | 50 | 7.0 | | | |
| 23 | | | | | | 22 | 26 | 50 | 7.0 | | | |
| 24 | | | | | | 23 | 37 | 51 | 9.0 | | | |
| 25 | | | | | | 27 | 40 | 44 | 18 | | | |
| 26 | | | | | | 32 | 41 | 39 | 18 | | | |
| 27 | | | | | | 36 | 43 | 38 | 18 | | | |
| 28 | | | | | | 44 | 42 | 36 | 18 | | | |
| 29 | | ------ | | | | 46 | 42 | 34 | 15 | | | |
| 30 | | ------ | | | | 53 | 42 | 34 | 6.0 | | | |
| 31 | | ------ | | ------ | | ------ | 48 | 34 | ------ | | ------ | |
| TOTAL | | | | | | 665 | 1,471 | 1,513 | 544.0 | | | |
| MEAN | | | | | | 22.2 | 47.5 | 48.8 | 18.1 | | | |
| MAX | | | | | | 53 | 69 | 57 | 33 | | | |
| MIN | | | | | | 0 | 21 | 34 | 6.0 | | | |
| AC-FT | | | | | | 1,320 | 2,920 | 3,000 | 1,080 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 83 | 47 | 130 | | | | |
| 2 | | | | | | 83 | 47 | 130 | | | | |
| 3 | | | | | | 80 | 44 | 130 | | | | |
| 4 | | | | | | 83 | 42 | 123 | | | | |
| 5 | | | | | | 80 | 37 | 126 | | | | |
| 6 | | | | | | 80 | 37 | 133 | | | | |
| 7 | | | | | | 73 | 32 | 137 | | | | |
| 8 | | | | | | 73 | 37 | 137 | | | | |
| 9 | | | | | | 67 | 34 | 133 | | | | |
| 10 | | | | | | 67 | 37 | 133 | | | | |
| 11 | | | | | | 64 | 32 | 133 | | | | |
| 12 | | | | | | 58 | 30 | 130 | | | | |
| 13 | | | | | | 50 | 28 | 126 | | | | |
| 14 | | | | | | 50 | 28 | 117 | | | | |
| 15 | | | | | | 50 | 26 | 120 | | | | |
| 16 | | | | | | 50 | 0 | 133 | | | | |
| 17 | | | | | | 47 | 0 | 137 | | | | |
| 18 | | | | | | 47 | 0 | 126 | | | | |
| 19 | | | | | | 44 | 0 | 123 | | | | |
| 20 | | | | | | 52 | 0 | 117 | | | | |
| 21 | | | | | | 58 | 24 | 113 | | | | |
| 22 | | | | | | 55 | 32 | 110 | | | | |
| 23 | | | | | | 52 | 50 | 103 | | | | |
| 24 | | | | | | 52 | 55 | 103 | | | | |
| 25 | | | | | | 52 | 133 | 103 | | | | |
| 26 | | | | | | 52 | 126 | 96 | | | | |
| 27 | | | | | | 50 | 126 | 96 | | | | |
| 28 | | | | | | 50 | 126 | 89 | | | | |
| 29 | | ------ | | | | 50 | 133 | 89 | | | | |
| 30 | | ------ | | | | 50 | 133 | 86 | | | | |
| 31 | | ------ | | ------ | | ------ | 130 | 73 | ------ | | ------ | |
| TOTAL | | | | | | 1,802 | 1,606 | 3,635 | | | | |
| MEAN | | | | | | 60.1 | 51.8 | 117 | | | | |
| MAX | | | | | | 83 | 133 | 137 | | | | |
| MIN | | | | | | 44 | 0 | 73 | | | | |
| AC-FT | | | | | | 3,570 | 3,190 | 7,210 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 34 | 44 | 26 | 103 | 73 | | | |
| 2 | | | | | 34 | 44 | 26 | 103 | 70 | | | |
| 3 | | | | | 34 | 44 | 26 | 103 | 67 | | | |
| 4 | | | | | 34 | 46 | 26 | 99 | 64 | | | |
| 5 | | | | | 34 | 40 | 28 | 99 | 55 | | | |
| 6 | | | | | 34 | 52 | 37 | 93 | 55 | | | |
| 7 | | | | | 34 | 52 | 50 | 93 | 52 | | | |
| 8 | | | | | 34 | 34 | 52 | 93 | 50 | | | |
| 9 | | | | | 34 | 22 | 52 | 96 | 50 | | | |
| 10 | | | | | 34 | 0 | 55 | 99 | 50 | | | |
| 11 | | | | | 34 | 0 | 70 | 103 | 50 | | | |
| 12 | | | | | 34 | 39 | 73 | 99 | 50 | | | |
| 13 | | | | | 34 | 34 | 73 | 103 | 50 | | | |
| 14 | | | | | 34 | 34 | 67 | 103 | 50 | | | |
| 15 | | | | | 34 | 34 | 70 | 103 | 50 | | | |
| 16 | | | | | 34 | 34 | 64 | 99 | 50 | | | |
| 17 | | | | | 34 | 34 | 70 | 99 | 50 | | | |
| 18 | | | | | 32 | 34 | 76 | 93 | 46 | | | |
| 19 | | | | | 32 | 34 | 76 | 93 | 50 | | | |
| 20 | | | | | 32 | 37 | 83 | 93 | 50 | | | |
| 21 | | | | | 32 | 34 | 86 | 80 | 50 | | | |
| 22 | | | | | 30 | 37 | 93 | 76 | 50 | | | |
| 23 | | | | | 28 | 34 | 99 | 76 | 50 | | | |
| 24 | | | | | 26 | 34 | 99 | 83 | 46 | | | |
| 25 | | | | | 42 | 34 | 99 | 83 | 46 | | | |
| 26 | | | | | 55 | 37 | 99 | 80 | 46 | | | |
| 27 | | | | | 58 | 26 | 103 | 80 | 44 | | | |
| 28 | | | | | 64 | 24 | 106 | 80 | 37 | | | |
| 29 | | | | | 39 | 26 | 110 | 80 | 32 | | | |
| 30 | | ------ | | | 64 | 26 | 110 | 80 | 16 | | | |
| 31 | | ------ | | ------ | 40 | ------ | 103 | 73 | ------ | | ------ | |
| TOTAL | | | | | 1,152 | 1,004 | 2,207 | 2,840 | 1,499 | | | |
| MEAN | | | | | 37.2 | 33.5 | 71.2 | 91.6 | 50.0 | | | |
| MAX | | | | | 64 | 52 | 110 | 103 | 73 | | | |
| MIN | | | | | 26 | 0 | 26 | 73 | 16 | | | |
| AC-FT | | | | | 2,280 | 1,990 | 4,380 | 5,630 | 2,970 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 32 | 32 | 80 | 13 | | | |
| 2 | | | | | | 32 | 30 | 83 | 5.0 | | | |
| 3 | | | | | | 32 | 28 | 76 | 5.0 | | | |
| 4 | | | | | | 32 | 26 | 73 | 5.0 | | | |
| 5 | | | | | | 32 | 22 | 73 | 3.5 | | | |
| 6 | | | | | | 30 | 14 | 67 | 3.5 | | | |
| 7 | | | | | | 30 | 0 | 64 | 2.0 | | | |
| 8 | | | | | | 32 | 0 | 64 | 0 | | | |
| 9 | | | | | | 44 | 0 | 64 | 0 | | | |
| 10 | | | | | | 46 | 0 | 61 | 0 | | | |
| 11 | | | | | | 52 | 31 | 57 | 0 | | | |
| 12 | | | | | | 61 | 47 | 55 | 0 | | | |
| 13 | | | | | | 52 | 47 | 55 | 0 | | | |
| 14 | | | | | | 39 | 42 | 55 | 0 | | | |
| 15 | | | | | | 57 | 37 | 57 | 0 | | | |
| 16 | | | | | | 61 | 42 | 55 | 0 | | | |
| 17 | | | | | | 57 | 50 | 52 | 0 | | | |
| 18 | | | | | | 61 | 55 | 52 | 0 | | | |
| 19 | | | | | | 61 | 64 | 50 | 0 | | | |
| 20 | | | | | | 61 | 70 | 50 | 0 | | | |
| 21 | | | | | | 67 | 76 | 52 | 0 | | | |
| 22 | | | | | | 67 | 76 | 44 | 0 | | | |
| 23 | | | | | | 64 | 83 | 39 | 0 | | | |
| 24 | | | | | | 57 | 83 | 39 | 0 | | | |
| 25 | | | | | | 61 | 89 | 39 | 0 | | | |
| 26 | | | | | | 64 | 93 | 39 | 0 | | | |
| 27 | | | | | | 61 | 93 | 39 | 0 | | | |
| 28 | | | | | | 50 | 93 | 32 | 0 | | | |
| 29 | | ------ | | | | 42 | 95 | 28 | 0 | | | |
| 30 | | ------ | | | | 32 | 89 | 26 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 83 | 26 | ------ | | ------ | |
| TOTAL | | | | | | 1,469 | 1,590 | 1,646 | 37.0 | | | |
| MEAN | | | | | | 49.0 | 51.3 | 53.1 | 1.23 | | | |
| MAX | | | | | | 67 | 95 | 83 | 13 | | | |
| MIN | | | | | | 30 | 0 | 26 | 0 | | | |
| AC-FT | | | | | | 2,910 | 3,150 | 3,260 | 73 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 10 | 60 | 85 | 114 | 34 | | | |
| 2 | | | | | 10 | 64 | 85 | 114 | 25 | | | |
| 3 | | | | | 10 | 64 | 68 | 114 | 19 | | | |
| 4 | | | | | 10 | 68 | 57 | 114 | 19 | | | |
| 5 | | | | | 10 | 72 | 57 | 114 | 17 | | | |
| 6 | | | | | 10 | 72 | 60 | 114 | 17 | | | |
| 7 | | | | | 7.0 | 72 | 57 | 114 | 17 | | | |
| 8 | | | | | 8.5 | 76 | 57 | 114 | 17 | | | |
| 9 | | | | | 21 | 81 | 57 | 114 | 17 | | | |
| 10 | | | | | 27 | 85 | 57 | 119 | 17 | | | |
| 11 | | | | | 25 | 95 | 50 | 114 | 15 | | | |
| 12 | | | | | 21 | 104 | 43 | 109 | 15 | | | |
| 13 | | | | | 19 | 109 | 40 | 109 | 15 | | | |
| 14 | | | | | 17 | 114 | 40 | 109 | 15 | | | |
| 15 | | | | | 13 | 114 | 40 | 104 | 15 | | | |
| 16 | | | | | 8.5 | 109 | 40 | 104 | 15 | | | |
| 17 | | | | | 8.5 | 109 | 40 | 90 | 15 | | | |
| 18 | | | | | 8.5 | 109 | 46 | 76 | 15 | | | |
| 19 | | | | | 8.5 | 109 | 57 | 72 | 15 | | | |
| 20 | | | | | 7.0 | 114 | 64 | 76 | 13 | | | |
| 21 | | | | | 7.0 | 109 | 72 | 76 | 13 | | | |
| 22 | | | | | 8.5 | 100 | 57 | 76 | 13 | | | |
| 23 | | | | | 25 | 109 | 0 | 68 | 13 | | | |
| 24 | | | | | 29 | 114 | 0 | 57 | 13 | | | |
| 25 | | | | | 32 | 104 | 0 | 57 | 13 | | | |
| 26 | | | | | 37 | 104 | 11 | 57 | 13 | | | |
| 27 | | | | | 43 | 95 | 60 | 50 | 13 | | | |
| 28 | | | | | 43 | 81 | 72 | 43 | 12 | | | |
| 29 | | ------ | | | 43 | 81 | 85 | 37 | 12 | | | |
| 30 | | ------ | | | 43 | 85 | 85 | 37 | 12 | | | |
| 31 | | ------ | | ------ | 53 | ------ | 104 | 37 | ------ | | ------ | |
| TOTAL | | | | | 623.0 | 2,782 | 1,646 | 2,703 | 474 | | | |
| MEAN | | | | | 20.1 | 92.7 | 53.1 | 87.2 | 15.8 | | | |
| MAX | | | | | 53 | 114 | 104 | 119 | 34 | | | |
| MIN | | | | | 7.0 | 60 | 0 | 37 | 12 | | | |
| AC-FT | | | | | 1,240 | 5,520 | 3,260 | 5,360 | 940 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 90 | 72 | | | |
| 2 | | | | | | | 0 | 109 | 72 | | | |
| 3 | | | | | | | 0 | 124 | 72 | | | |
| 4 | | | | | | | 0 | 129 | 68 | | | |
| 5 | | | | | | | 0 | 129 | 57 | | | |
| 6 | | | | | | | 0 | 129 | 43 | | | |
| 7 | | | | | | | 0 | 129 | 43 | | | |
| 8 | | | | | | | 0 | 129 | 43 | | | |
| 9 | | | | | | | 12 | 129 | 37 | | | |
| 10 | | | | | | | 15 | 129 | 29 | | | |
| 11 | | | | | | | 15 | 129 | 29 | | | |
| 12 | | | | | | | 17 | 129 | 29 | | | |
| 13 | | | | | | | 17 | 129 | 29 | | | |
| 14 | | | | | | | 19 | 129 | 27 | | | |
| 15 | | | | | | | 27 | 129 | 27 | | | |
| 16 | | | | | | | 32 | 129 | 25 | | | |
| 17 | | | | | | | 32 | 124 | 21 | | | |
| 18 | | | | | | | 37 | 124 | 21 | | | |
| 19 | | | | | | | 50 | 119 | 21 | | | |
| 20 | | | | | | | 57 | 119 | 19 | | | |
| 21 | | | | | | | 57 | 100 | 19 | | | |
| 22 | | | | | | | 60 | 90 | 17 | | | |
| 23 | | | | | | | 60 | 90 | 17 | | | |
| 24 | | | | | | | 60 | 90 | 17 | | | |
| 25 | | | | | | | 60 | 90 | 19 | | | |
| 26 | | | | | | | 60 | 90 | 21 | | | |
| 27 | | | | | | | 60 | 90 | 21 | | | |
| 28 | | | | | | | 68 | 85 | 21 | | | |
| 29 | | ------ | | | | | 85 | 68 | 19 | | | |
| 30 | | ------ | | | | | 81 | 68 | 21 | | | |
| 31 | | ------ | | ------ | | ------ | 85 | 68 | ------ | | ------ | |
| TOTAL | | | | | | 0 | 1,066 | 3,415 | 976 | | | |
| MEAN | | | | | | 0 | 34.4 | 110 | 32.5 | | | |
| MAX | | | | | | 0 | 85 | 129 | 72 | | | |
| MIN | | | | | | 0 | 0 | 68 | 17 | | | |
| AC-FT | | | | | | 0 | 2,110 | 6,770 | 1,940 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 71 | 67 | 101 | 97 | | | |
| 2 | | | | | 0 | 71 | 55 | 97 | 97 | | | |
| 3 | | | | | 0 | 71 | 52 | 101 | 89 | | | |
| 4 | | | | | 0 | 67 | 52 | 97 | 89 | | | |
| 5 | | | | | 0 | 71 | 52 | 93 | 82 | | | |
| 6 | | | | | 0 | 74 | 52 | 101 | 78 | | | |
| 7 | | | | | 0 | 74 | 55 | 105 | 71 | | | |
| 8 | | | | | 23 | 74 | 55 | 109 | 67 | | | |
| 9 | | | | | 22 | 74 | 55 | 113 | 64 | | | |
| 10 | | | | | 22 | 64 | 52 | 127 | 118 | | | |
| 11 | | | | | 22 | 58 | 52 | 131 | 118 | | | |
| 12 | | | | | 22 | 55 | 52 | 127 | 113 | | | |
| 13 | | | | | 22 | 55 | 49 | 105 | 113 | | | |
| 14 | | | | | 22 | 55 | 52 | 136 | 113 | | | |
| 15 | | | | | 23 | 52 | 55 | 127 | 113 | | | |
| 16 | | | | | 23 | 52 | 58 | 136 | 113 | | | |
| 17 | | | | | 29 | 49 | 58 | 140 | 101 | | | |
| 18 | | | | | 31 | 47 | 55 | 145 | 78 | | | |
| 19 | | | | | 44 | 47 | 52 | 145 | 74 | | | |
| 20 | | | | | 55 | 49 | 52 | 136 | 78 | | | |
| 21 | | | | | 67 | 61 | 49 | 131 | 61 | | | |
| 22 | | | | | 67 | 67 | 52 | 131 | 39 | | | |
| 23 | | | | | 64 | 67 | 52 | 127 | 39 | | | |
| 24 | | | | | 64 | 67 | 49 | 127 | 39 | | | |
| 25 | | | | | 64 | 67 | 47 | 127 | 37 | | | |
| 26 | | | | | 61 | 64 | 52 | 131 | 37 | | | |
| 27 | | | | | 61 | 64 | 67 | 113 | 35 | | | |
| 28 | | | | | 67 | 67 | 74 | 105 | 35 | | | |
| 29 | | | | | 64 | 71 | 74 | 105 | 33 | | | |
| 30 | | ------ | | | 49 | 67 | 93 | 101 | 33 | | | |
| 31 | | ------ | | ------ | 64 | ------ | 97 | 101 | ------ | | ------ | |
| TOTAL | | | | | 1,052 | 1,892 | 1,788 | 3,671 | 2,254 | | | |
| MEAN | | | | | 33.9 | 63.1 | 57.7 | 118 | 75.1 | | | |
| MAX | | | | | 67 | 74 | 97 | 145 | 118 | | | |
| MIN | | | | | 0 | 47 | 47 | 93 | 33 | | | |
| AC-FT | | | | | 2,090 | 3,750 | 3,550 | 7,280 | 4,470 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 60 | 32 | 121 | 76 | | | |
| 2 | | | | | 0 | 66 | 30 | 116 | 69 | | | |
| 3 | | | | | 0 | 76 | 30 | 116 | 69 | | | |
| 4 | | | | | 0 | 80 | 26 | 116 | 69 | | | |
| 5 | | | | | 0 | 110 | 28 | 121 | 69 | | | |
| 6 | | | | | 0 | 121 | 51 | 116 | 69 | | | |
| 7 | | | | | 0 | 121 | 51 | 105 | 69 | | | |
| 8 | | | | | 0 | 116 | 51 | 100 | 69 | | | |
| 9 | | | | | 0 | 127 | 49 | 96 | 69 | | | |
| 10 | | | | | 0 | 127 | 49 | 91 | 69 | | | |
| 11 | | | | | 0 | 132 | 51 | 96 | 69 | | | |
| 12 | | | | | 0 | 127 | 51 | 100 | 69 | | | |
| 13 | | | | | 0 | 138 | 51 | 100 | 69 | | | |
| 14 | | | | | 0 | 138 | 63 | 87 | 66 | | | |
| 15 | | | | | 0 | 127 | 69 | 83 | 69 | | | |
| 16 | | | | | 0 | 132 | 66 | 83 | 69 | | | |
| 17 | | | | | 0 | 138 | 63 | 87 | 60 | | | |
| 18 | | | | | 0 | 132 | 57 | 87 | 63 | | | |
| 19 | | | | | 0 | 121 | 57 | 83 | 63 | | | |
| 20 | | | | | 0 | 116 | 57 | 83 | 63 | | | |
| 21 | | | | | 0 | 110 | 36 | 83 | 66 | | | |
| 22 | | | | | 0 | 110 | 6.0 | 83 | 69 | | | |
| 23 | | | | | 7.5 | 110 | 6.0 | 80 | 73 | | | |
| 24 | | | | | 18 | 110 | 6.0 | 76 | 69 | | | |
| 25 | | | | | 21 | 91 | 54 | 73 | 73 | | | |
| 26 | | | | | 32 | 63 | 57 | 73 | 60 | | | |
| 27 | | | | | 51 | 57 | 57 | 73 | 41 | | | |
| 28 | | | | | 57 | 57 | 54 | 73 | 32 | | | |
| 29 | | ------ | | | 54 | 51 | 63 | 73 | 44 | | | |
| 30 | | ------ | | | 60 | 46 | 91 | 73 | 41 | | | |
| 31 | | ------ | | ------ | 60 | ------ | 110 | 76 | ------ | | ------ | |
| TOTAL | | | | | 360.5 | 3,110 | 1,522.0 | 2,823 | 1,925 | | | |
| MEAN | | | | | 11.6 | 104 | 49.1 | 91.1 | 64.2 | | | |
| MAX | | | | | 60 | 138 | 110 | 121 | 76 | | | |
| MIN | | | | | 0 | 46 | 6.0 | 73 | 32 | | | |
| AC-FT | | | | | 715 | 6,170 | 3,020 | 5,600 | 3,820 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 91 | 66 | 83 | 100 | | | |
| 2 | | | | | | 91 | 63 | 83 | 100 | | | |
| 3 | | | | | | 91 | 63 | 83 | 100 | | | |
| 4 | | | | | | 96 | 57 | 83 | 100 | | | |
| 5 | | | | | | 96 | 57 | 67 | 87 | | | |
| 6 | | | | | | 96 | 57 | 0 | 87 | | | |
| 7 | | | | | | 100 | 57 | 0 | 87 | | | |
| 8 | | | | | | 100 | 57 | 0 | 97 | | | |
| 9 | | | | | | 100 | 57 | 3.0 | 91 | | | |
| 10 | | | | | | 105 | 66 | 39 | 80 | | | |
| 11 | | | | | | 105 | 46 | 96 | 76 | | | |
| 12 | | | | | | 76 | 0 | 121 | 76 | | | |
| 13 | | | | | | 66 | 0 | 116 | 80 | | | |
| 14 | | | | | | 66 | 3.0 | 116 | 80 | | | |
| 15 | | | | | | 63 | 54 | 110 | 80 | | | |
| 16 | | | | | | 60 | 57 | 116 | 76 | | | |
| 17 | | | | | | 54 | 69 | 127 | 76 | | | |
| 18 | | | | | | 49 | 69 | 121 | 63 | | | |
| 19 | | | | | | 49 | 69 | 121 | 51 | | | |
| 20 | | | | | | 46 | 80 | 116 | 46 | | | |
| 21 | | | | | | 39 | 91 | 116 | 36 | | | |
| 22 | | | | | | 39 | 91 | 110 | 18 | | | |
| 23 | | | | | | 39 | 91 | 110 | 18 | | | |
| 24 | | | | | | 39 | 96 | 105 | 18 | | | |
| 25 | | | | | | 51 | 91 | 105 | 18 | | | |
| 26 | | | | | | 54 | 91 | 127 | 18 | | | |
| 27 | | | | | | 54 | 91 | 121 | 17 | | | |
| 28 | | | | | | 54 | 91 | 110 | 17 | | | |
| 29 | | ------ | | | | 60 | 87 | 110 | 17 | | | |
| 30 | | ------ | | | | 66 | 87 | 110 | 15 | | | |
| 31 | | ------ | | ------ | | ------ | 87 | 110 | ------ | | ------ | |
| TOTAL | | | | | | 2,095 | 2,041.0 | 2,835.0 | 1,825 | | | |
| MEAN | | | | | | 69.8 | 65.8 | 91.5 | 60.8 | | | |
| MAX | | | | | | 105 | 96 | 127 | 100 | | | |
| MIN | | | | | | 39 | 0 | 0 | 15 | | | |
| AC-FT | | | | | | 4,160 | 4,050 | 5,620 | 3,620 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 14 | 105 | 83 | 132 | 36 | 20 | | |
| 2 | | | | | 14 | 91 | 76 | 132 | 36 | 20 | | |
| 3 | | | | | 14 | 96 | 76 | 126 | 36 | 20 | | |
| 4 | | | | | 14 | 110 | 76 | 132 | 38 | 15 | | |
| 5 | | | | | 14 | 105 | 72 | 126 | 38 | 7.5 | | |
| 6 | | | | | 14 | 105 | 76 | 126 | 38 | 7.5 | | |
| 7 | | | | | 15 | 100 | 76 | 116 | 38 | 7.5 | | |
| 8 | | | | | 16 | 87 | 76 | 116 | 36 | 7.5 | | |
| 9 | | | | | 18 | 83 | 76 | 105 | 34 | 6.0 | | |
| 10 | | | | | 18 | 83 | 72 | 100 | 32 | 6.0 | | |
| 11 | | | | | 20 | 96 | 72 | 100 | 32 | 4.5 | | |
| 12 | | | | | 21 | 91 | 55 | 100 | 32 | 4.5 | | |
| 13 | | | | | 21 | 87 | 0 | 100 | 32 | 3.0 | | |
| 14 | | | | | 24 | 87 | 0 | 100 | 30 | 0 | | |
| 15 | | | | | 46 | 83 | 0 | 100 | 30 | 0 | | |
| 16 | | | | | 46 | 76 | 0 | 100 | 28 | 0 | | |
| 17 | | | | | 46 | 76 | 20 | 95 | 28 | 0 | | |
| 18 | | | | | 46 | 72 | 80 | 91 | 30 | 0 | | |
| 19 | | | | | 51 | 69 | 80 | 80 | 30 | 0 | | |
| 20 | | | | | 57 | 57 | 100 | 80 | 26 | 0 | | |
| 21 | | | | | 57 | 51 | 121 | 80 | 22 | 0 | | |
| 22 | | | | | 60 | 54 | 132 | 69 | 21 | 0 | | |
| 23 | | | | | 72 | 63 | 158 | 72 | 21 | 0 | | |
| 24 | | | | | 69 | 80 | 151 | 60 | 21 | 0 | | |
| 25 | | | | | 83 | 91 | 151 | 60 | 21 | 0 | | |
| 26 | | | | | 100 | 100 | 144 | 60 | 21 | 0 | | |
| 27 | | | | | 144 | 110 | 151 | 54 | 21 | 0 | | |
| 28 | | | | | 151 | 105 | 151 | 48 | 21 | 0 | | |
| 29 | | ------ | | | 144 | 96 | 151 | 46 | 20 | 0 | | |
| 30 | | ------ | | | 116 | 91 | 151 | 44 | 20 | 0 | | |
| 31 | | ------ | | ------ | 110 | ------ | 144 | 36 | ------ | 0 | ------ | |
| TOTAL | | | | | 1,635 | 2,600 | 2,771 | 2,786 | 869 | 129.0 | | |
| MEAN | | | | | 52.7 | 86.7 | 89.4 | 89.9 | 29.0 | 4.16 | | |
| MAX | | | | | 151 | 110 | 158 | 132 | 38 | 20 | | |
| MIN | | | | | 14 | 51 | 0 | 36 | 20 | 0 | | |
| AC-FT | | | | | 3,240 | 5,160 | 5,500 | 5,530 | 1,720 | 256 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 144 | 73 | 91 | 17 | | | |
| 2 | | | | | 0 | 138 | 73 | 91 | 17 | | | |
| 3 | | | | | 0 | 151 | 76 | 83 | 17 | | | |
| 4 | | | | | 0 | 127 | 76 | 91 | 17 | | | |
| 5 | | | | | 0 | 144 | 73 | 100 | 18 | | | |
| 6 | | | | | 0 | 144 | 66 | 100 | 28 | | | |
| 7 | | | | | 0 | 138 | 80 | 100 | 28 | | | |
| 8 | | | | | 0 | 151 | 80 | 91 | 28 | | | |
| 9 | | | | | 0 | 151 | 80 | 76 | 28 | | | |
| 10 | | | | | 0 | 151 | 80 | 80 | 28 | | | |
| 11 | | | | | 0 | 151 | 69 | 87 | 28 | | | |
| 12 | | | | | 0 | 151 | 73 | 87 | 28 | | | |
| 13 | | | | | 0 | 132 | 76 | 87 | 26 | | | |
| 14 | | | | | 0 | 127 | 83 | 100 | 26 | | | |
| 15 | | | | | 0 | 127 | 83 | 110 | 26 | | | |
| 16 | | | | | 0 | 121 | 80 | 105 | 26 | | | |
| 17 | | | | | 0 | 105 | 80 | 116 | 26 | | | |
| 18 | | | | | 10 | 116 | 80 | 100 | 26 | | | |
| 19 | | | | | 24 | 127 | 69 | 91 | 24 | | | |
| 20 | | | | | 24 | 127 | 66 | 91 | 24 | | | |
| 21 | | | | | 28 | 144 | 66 | 87 | 26 | | | |
| 22 | | | | | 30 | 151 | 63 | 60 | 20 | | | |
| 23 | | | | | 41 | 151 | 63 | 57 | 15 | | | |
| 24 | | | | | 69 | 158 | 63 | 41 | 15 | | | |
| 25 | | | | | 91 | 158 | 54 | 41 | 14 | | | |
| 26 | | | | | 91 | 132 | 46 | 30 | 14 | | | |
| 27 | | | | | 91 | 105 | 57 | 23 | 14 | | | |
| 28 | | | | | 96 | 83 | 60 | 23 | 15 | | | |
| 29 | | | | | 96 | 76 | 73 | 23 | 14 | | | |
| 30 | | ------ | | | 110 | 73 | 96 | 21 | 14 | | | |
| 31 | | ------ | | ------ | 121 | ------ | 96 | 17 | ------ | | ------ | |
| TOTAL | | | | 0 | 922 | 3,954 | 2,253 | 2,300 | 647 | | | |
| MEAN | | | | 0 | 29.7 | 132 | 72.7 | 74.2 | 21.6 | | | |
| MAX | | | | 0 | 121 | 158 | 96 | 116 | 28 | | | |
| MIN | | | | 0 | 0 | 73 | 46 | 17 | 14 | | | |
| AC-FT | | | | 0 | 1,830 | 7,840 | 4,470 | 4,560 | 1,280 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 182 | 121 | 100 | 27 | | | |
| 2 | | | | | 0 | 190 | 110 | 91 | 27 | | | |
| 3 | | | | | 0 | 190 | 116 | 91 | 22 | | | |
| 4 | | | | | 0 | 166 | 105 | 91 | 20 | | | |
| 5 | | | | | 0 | 151 | 80 | 91 | 16 | | | |
| 6 | | | | | 0 | 132 | 80 | 87 | 18 | | | |
| 7 | | | | | 0 | 121 | 73 | 73 | 20 | | | |
| 8 | | | | | 0 | 121 | 56 | 56 | 27 | | | |
| 9 | | | | | 0 | 116 | 53 | 32 | 29 | | | |
| 10 | | | | | 0 | 121 | 53 | 22 | 27 | | | |
| 11 | | | | | 0 | 121 | 62 | 20 | 24 | | | |
| 12 | | | | | 0 | 116 | 80 | 20 | 22 | | | |
| 13 | | | | | 0 | 110 | 91 | 18 | 18 | | | |
| 14 | | | | | 0 | 110 | 73 | 16 | 20 | | | |
| 15 | | | | | 13 | 105 | 73 | 14 | 29 | | | |
| 16 | | | | | 32 | 96 | 76 | 14 | 32 | | | |
| 17 | | | | | 42 | 96 | 83 | 0 | 34 | | | |
| 18 | | | | | 59 | 96 | 87 | 0 | 32 | | | |
| 19 | | | | | 76 | 96 | 110 | 0 | 32 | | | |
| 20 | | | | | 83 | 91 | 121 | 0 | 32 | | | |
| 21 | | | | | 91 | 83 | 158 | 0 | 32 | | | |
| 22 | | | | | 87 | 76 | 151 | 0 | 32 | | | |
| 23 | | | | | 110 | 76 | 158 | 16 | 32 | | | |
| 24 | | | | | 127 | 80 | 158 | 20 | 32 | | | |
| 25 | | | | | 138 | 76 | 151 | 20 | 24 | | | |
| 26 | | | | | 151 | 80 | 144 | 16 | 16 | | | |
| 27 | | | | | 166 | 91 | 138 | 16 | 16 | | | |
| 28 | | | | | 174 | 100 | 121 | 14 | 16 | | | |
| 29 | | ------ | | | 174 | 110 | 105 | 0 | 16 | | | |
| 30 | | ------ | | | 174 | 127 | 110 | 0 | 16 | | | |
| 31 | | ------ | | ------ | 182 | ------ | 110 | 14 | ------ | | ------ | |
| TOTAL | | | | | 1,879 | 3,426 | 3,207 | 952 | 740 | | | |
| MEAN | | | | | 60.6 | 114 | 103 | 30.7 | 24.7 | | | |
| MAX | | | | | 182 | 190 | 158 | 100 | 34 | | | |
| MIN | | | | | 0 | 76 | 53 | 0 | 16 | | | |
| AC-FT | | | | | 3,730 | 6,800 | 6,360 | 1,890 | 1,470 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 110 | 76 | 127 | 37 | | | |
| 2 | | | | | 0 | 110 | 76 | 127 | 37 | | | |
| 3 | | | | | 0 | 115 | 79 | 121 | 34 | | | |
| 4 | | | | | 50 | 127 | 76 | 121 | 34 | | | |
| 5 | | | | | 50 | 121 | 69 | 105 | 34 | | | |
| 6 | | | | | 50 | 121 | 65 | 14 | 34 | | | |
| 7 | | | | | 56 | 115 | 76 | 0 | 34 | | | |
| 8 | | | | | 73 | 110 | 69 | 0 | 34 | | | |
| 9 | | | | | 91 | 105 | 62 | 0 | 34 | | | |
| 10 | | | | | 110 | 110 | 59 | 0 | 34 | | | |
| 11 | | | | | 105 | 121 | 59 | 0 | 34 | | | |
| 12 | | | | | 95 | 121 | 56 | 28 | 34 | | | |
| 13 | | | | | 95 | 121 | 56 | 87 | 34 | | | |
| 14 | | | | | 95 | 105 | 50 | 91 | 34 | | | |
| 15 | | | | | 95 | 95 | 53 | 91 | 34 | | | |
| 16 | | | | | 110 | 83 | 50 | 87 | 34 | | | |
| 17 | | | | | 110 | 87 | 62 | 83 | 31 | | | |
| 18 | | | | | 121 | 105 | 83 | 83 | 31 | | | |
| 19 | | | | | 121 | 105 | 87 | 79 | 20 | | | |
| 20 | | | | | 132 | 121 | 105 | 76 | 0 | | | |
| 21 | | | | | 132 | 121 | 110 | 73 | 0 | | | |
| 22 | | | | | 127 | 115 | 127 | 44 | 0 | | | |
| 23 | | | | | 127 | 105 | 132 | 27 | 0 | | | |
| 24 | | | | | 110 | 105 | 132 | 14 | 0 | | | |
| 25 | | | | | 100 | 91 | 132 | 20 | 0 | | | |
| 26 | | | | | 91 | 83 | 132 | 34 | 0 | | | |
| 27 | | | | | 76 | 83 | 127 | 34 | 0 | | | |
| 28 | | | | | 76 | 76 | 127 | 34 | 0 | | | |
| 29 | | ------ | | | 115 | 69 | 127 | 34 | 0 | | | |
| 30 | | ------ | | | 115 | 69 | 127 | 34 | 0 | | | |
| 31 | | ------ | | ------ | 110 | ------ | 132 | 34 | ------ | | ------ | |
| TOTAL | | | | | 2,738 | 3,125 | 2,773 | 1,702 | 632 | | | |
| MEAN | | | | | 88.3 | 104 | 89.5 | 54.9 | 21.1 | | | |
| MAX | | | | | 132 | 127 | 132 | 127 | 37 | | | |
| MIN | | | | | 0 | 69 | 50 | 0 | 0 | | | |
| AC-FT | | | | | 5,430 | 6,200 | 5,500 | 3,380 | 1,250 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 73 | 83 | 24 | 39 | | |
| 2 | | | | | | 0 | 66 | 76 | 24 | 32 | | |
| 3 | | | | | | 26 | 59 | 76 | 24 | 32 | | |
| 4 | | | | | | 56 | 59 | 73 | 24 | 29 | | |
| 5 | | | | | | 66 | 56 | 73 | 24 | 29 | | |
| 6 | | | | | | 69 | 56 | 76 | 22 | 27 | | |
| 7 | | | | | | 87 | 50 | 80 | 22 | 24 | | |
| 8 | | | | | | 73 | 44 | 80 | 34 | 24 | | |
| 9 | | | | | | 69 | 39 | 80 | 44 | 27 | | |
| 10 | | | | | | 80 | 39 | 76 | 39 | 20 | | |
| 11 | | | | | | 100 | 37 | 83 | 39 | 16 | | |
| 12 | | | | | | 110 | 32 | 87 | 39 | 16 | | |
| 13 | | | | | | 121 | 18 | 96 | 39 | 5.3 | | |
| 14 | | | | | | 132 | 18 | 100 | 47 | 0 | | |
| 15 | | | | | | 91 | 16 | 105 | 50 | 0 | | |
| 16 | | | | | | 100 | 73 | 105 | 53 | 0 | | |
| 17 | | | | | | 138 | 27 | 105 | 59 | 0 | | |
| 18 | | | | | | 182 | 29 | 100 | 62 | 0 | | |
| 19 | | | | | | 138 | 32 | 105 | 66 | 0 | | |
| 20 | | | | | | 121 | 29 | 100 | 62 | 0 | | |
| 21 | | | | | | 83 | 29 | 100 | 59 | 0 | | |
| 22 | | | | | | 69 | 29 | 83 | 59 | 0 | | |
| 23 | | | | | | 80 | 37 | 73 | 56 | 0 | | |
| 24 | | | | | | 110 | 44 | 69 | 56 | 0 | | |
| 25 | | | | | | 100 | 50 | 56 | 53 | 0 | | |
| 26 | | | | | | 76 | 56 | 42 | 50 | 0 | | |
| 27 | | | | | | 83 | 62 | 42 | 47 | 0 | | |
| 28 | | | | | | 87 | 59 | 29 | 44 | 0 | | |
| 29 | | ------ | | | | 83 | 66 | 22 | 44 | 0 | | |
| 30 | | ------ | | | | 80 | 83 | 22 | 39 | 0 | | |
| 31 | | ------ | | ------ | | ------ | 91 | 24 | ------ | 0 | ------ | |
| TOTAL | | | | 0 | 0 | 2,610 | 1,458 | 2,321 | 1,304 | 320.3 | | |
| MEAN | | | | 0 | 0 | 87.0 | 47.0 | 74.9 | 43.5 | 10.3 | | |
| MAX | | | | 0 | 0 | 182 | 91 | 105 | 66 | 39 | | |
| MIN | | | | 0 | 0 | 0 | 16 | 22 | 22 | 0 | | |
| AC-FT | | | | 0 | 0 | 5,180 | 2,890 | 4,600 | 2,590 | 635 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

TWO DOT CANAL BELOW HEAD GATE NUMBER 40A 07000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 100 | 56 | 110 | 69 | | | |
| 2 | | | | | 0 | 105 | 59 | 116 | 69 | | | |
| 3 | | | | | 0 | 127 | 27 | 91 | 66 | | | |
| 4 | | | | | 0 | 151 | 14 | 91 | 66 | | | |
| 5 | | | | | 0 | 158 | 12 | 96 | 66 | | | |
| 6 | | | | | 0 | 166 | 22 | 96 | 62 | | | |
| 7 | | | | | 0 | 158 | 27 | 91 | 69 | | | |
| 8 | | | | | 0 | 158 | 44 | 87 | 76 | | | |
| 9 | | | | | 0 | 166 | 53 | 83 | 76 | | | |
| 10 | | | | | 0 | 66 | 47 | 83 | 76 | | | |
| 11 | | | | | 0 | 91 | 42 | 87 | 76 | | | |
| 12 | | | | | 0 | 158 | 47 | 20 | 76 | | | |
| 13 | | | | | 0 | 138 | 59 | 0 | 80 | | | |
| 14 | | | | | 0 | 127 | 62 | 0 | 80 | | | |
| 15 | | | | | 0 | 121 | 66 | 0 | 76 | | | |
| 16 | | | | | 0 | 121 | 73 | 12 | 76 | | | |
| 17 | | | | | 0 | 116 | 73 | 56 | 80 | | | |
| 18 | | | | | 17 | 116 | 83 | 66 | 80 | | | |
| 19 | | | | | 39 | 116 | 91 | 69 | 91 | | | |
| 20 | | | | | 44 | 116 | 87 | 66 | 73 | | | |
| 21 | | | | | 47 | 100 | 87 | 66 | 56 | | | |
| 22 | | | | | 47 | 22 | 87 | 69 | 50 | | | |
| 23 | | | | | 47 | 53 | 87 | 66 | 42 | | | |
| 24 | | | | | 47 | 83 | 91 | 66 | 42 | | | |
| 25 | | | | | 47 | 83 | 87 | 66 | 24 | | | |
| 26 | | | | | 53 | 87 | 91 | 62 | 12 | | | |
| 27 | | | | | 66 | 76 | 100 | 62 | 22 | | | |
| 28 | | | | | 73 | 73 | 110 | 66 | 29 | | | |
| 29 | | | | | 73 | 73 | 110 | 62 | 29 | | | |
| 30 | | ------ | | | 73 | 66 | 110 | 62 | 29 | | | |
| 31 | | ------ | | ------ | 87 | ------ | 110 | 66 | ------ | | ------ | |
| TOTAL | | | | | 760 | 3,291 | 2,114 | 2,033 | 1,818 | | | |
| MEAN | | | | | 24.5 | 110 | 68.2 | 65.6 | 60.6 | | | |
| MAX | | | | | 87 | 166 | 110 | 116 | 91 | | | |
| MIN | | | | | 0 | 22 | 12 | 0 | 12 | | | |
| AC-FT | | | | | 1,510 | 6,530 | 4,190 | 4,030 | 3,610 | | | |

40A 08000 Deadmans Basin Supply Canal Below Headgate near Shawmut, MT

LOCATION -- Lat 46° 23' 00", long 109° 37' 50" in NE¼ NW¼ NW¼ Sec. 8, T. 7 N., R. 17 E., Wheatland County, on left bank 0.1 mi (0.2 km) downstream from headgate which is at river mile 303.7 (488.7 km), 11 mi (18 km) east of Harlowton, 6 mi (10 km) west of Shawmut.

DRAINAGE AREA -- Above canal headgate 1,471 sq. mi (3,810 sq. km).

GAGE -- Water stage recorder. Altitude of gage 3,970 ft (1,210 m) from topography map.

AVERAGE DISCHARGE -- 1961 to 1976 - 41,600 AF/season (51.3 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 539 $ft^3/s$ (15.3 $m^3/s$), June 2, 1962. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

OEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1961

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 74 | 0 | | | | | |
| 2 | | | | | | 54 | 0 | | | | | |
| 3 | | | | | | 37 | 0 | | | | | |
| 4 | | | | | | 37 | 4.5 | | | | | |
| 5 | | | | | | 37 | 9.0 | | | | | |
| 6 | | | | | | 37 | 22 | | | | | |
| 7 | | | | | | 13 | 17 | | | | | |
| 8 | | | | | | 2.0 | 6.0 | | | | | |
| 9 | | | | | | 0 | 6.0 | | | | | |
| 10 | | | | | | 0 | 13 | | | | | |
| 11 | | | | | | 0 | 6.0 | | | | | |
| 12 | | | | | | 0 | 0 | | | | | |
| 13 | | | | | | 6.0 | 0 | | | | | |
| 14 | | | | | | 27 | 0 | | | | | |
| 15 | | | | | | 27 | 0 | | | | | |
| 16 | | | | | | 22 | 0 | | | | | |
| 17 | | | | | | 13 | 0 | | | | | |
| 18 | | | | | | 13 | 0 | | | | | |
| 19 | | | | | | 17 | 0 | | | | | |
| 20 | | | | | | 27 | 0 | | | | | |
| 21 | | | | | | 27 | 0 | | | | | |
| 22 | | | | | | 13 | 0 | | | | | |
| 23 | | | | | | 9.0 | 0 | | | | | |
| 24 | | | | | | 9.0 | 0 | | | | | |
| 25 | | | | | | 9.0 | 0 | | | | | |
| 26 | | | | | | 6.0 | 0 | | | | | |
| 27 | | | | | | 2.0 | 0 | | | | | |
| 28 | | | | | | 0 | 0 | | | | | |
| 29 | | ------ | | | | 0 | 0 | | | | | |
| 30 | | ------ | | | | 0 | 0 | | | | | |
| 31 | | ------ | | ------ | | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | | 518.0 | 83.5 | 0 | 0 | 0 | | |
| MEAN | | | | | | 17.3 | 2.69 | 0 | 0 | 0 | | |
| MAX | | | | | | 74 | 22 | 0 | 0 | 0 | | |
| MIN | | | | | | 0 | 0 | 0 | 0 | 0 | | |
| AC-FT | | | | | | 1,030 | 166 | 0 | 0 | 0 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

OEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 75 | 0 | 519 | 187 | 182 | 105 | 0 | 287 | |
| 2 | | | | 81 | 0 | 539 | 151 | 151 | 99 | 0 | 282 | |
| 3 | | | | 81 | 0 | 527 | 93 | 146 | 81 | 0 | 282 | |
| 4 | | | | 87 | 3.0 | 519 | 105 | 123 | 87 | 0 | 230 | |
| 5 | | | | 87 | 4.0 | 511 | 75 | 111 | 93 | 0 | 177 | |
| 6 | | | | 81 | 31 | 511 | 31 | 99 | 105 | 0 | 87 | |
| 7 | | | | 81 | 18 | 490 | 5.0 | 99 | 99 | 0 | 87 | |
| 8 | | | | 81 | 4.0 | 407 | 5.0 | 44 | 105 | 0 | 12 | |
| 9 | | | | 81 | 0 | 319 | 4.0 | 12 | 111 | 4.0 | 0 | |
| 10 | | | | 75 | 0 | 319 | 4.0 | 99 | 105 | 81 | 0 | |
| 11 | | | | 69 | 0 | 415 | 4.0 | 128 | 99 | 254 | 0 | |
| 12 | | | | 63 | 0 | 466 | 4.0 | 105 | 105 | 287 | 0 | |
| 13 | | | | 57 | 51 | 490 | 105 | 87 | 111 | 292 | 0 | |
| 14 | | | | 57 | 63 | 507 | 192 | 87 | 111 | 282 | 0 | |
| 15 | | | | 44 | 75 | 507 | 177 | 75 | 99 | 282 | 0 | |
| 16 | | | | 31 | 105 | 490 | 177 | 57 | 99 | 282 | 0 | |
| 17 | | | | 38 | 111 | 474 | 157 | 75 | 93 | 278 | 0 | |
| 18 | | | | 44 | 99 | 446 | 146 | 81 | 99 | 263 | 0 | |
| 19 | | | | 44 | 81 | 428 | 128 | 99 | 87 | 240 | 0 | |
| 20 | | | | 44 | 93 | 356 | 117 | 99 | 93 | 245 | 0 | |
| 21 | | | | 44 | 379 | 324 | 105 | 93 | 93 | 245 | 38 | |
| 22 | | | | 44 | 507 | 361 | 93 | 81 | 117 | 230 | 157 | |
| 23 | | | | 38 | 466 | 378 | 69 | 93 | 111 | 219 | 151 | |
| 24 | | | | 38 | 315 | 395 | 38 | 140 | 5.0 | 301 | 162 | |
| 25 | | | | 25 | 424 | 370 | 5.0 | 213 | 0 | 343 | 182 | |
| 26 | | | | 18 | 535 | 386 | 31 | 182 | 0 | 347 | 172 | |
| 27 | | | | 3.0 | 523 | 268 | 105 | 87 | 0 | 338 | 167 | |
| 28 | | | | 0 | 523 | 240 | 162 | 25 | 0 | 329 | 177 | |
| 29 | | ------ | | 0 | 519 | 203 | 177 | 99 | 0 | 297 | 219 | |
| 30 | | ------ | | 0 | 503 | 187 | 172 | 151 | 0 | 292 | 268 | |
| 31 | | ------ | | ------ | 486 | ------ | 167 | 134 | ------ | 287 | ------ | |
| TOTAL | | | | 1,511.0 | 5,918.0 | 12,352 | 2,991.0 | 3,257 | 2,312.0 | 6,018.0 | 3,137 | |
| MEAN | | | | 50.4 | 191 | 412 | 96.5 | 105 | 77.1 | 194 | 105 | |
| MAX | | | | 87 | 535 | 539 | 192 | 213 | 117 | 347 | 287 | |
| MIN | | | | 0 | 0 | 187 | 4.0 | 12 | 0 | 0 | 0 | |
| AC-FT | | | | 3,000 | 11,740 | 24,500 | 5,930 | 6,460 | 4,590 | 11,940 | 6,220 | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 63 | 31 | 81 | 38 | 224 | 219 | | | |
| 2 | | | | 63 | 5.0 | 81 | 38 | 213 | 259 | | | |
| 3 | | | | 57 | 5.0 | 87 | 44 | 219 | 263 | | | |
| 4 | | | | 51 | 5.0 | 87 | 57 | 224 | 259 | | | |
| 5 | | | | 38 | 5.0 | 219 | 63 | 250 | 268 | | | |
| 6 | | | | 44 | 5.0 | 324 | 81 | 263 | 259 | | | |
| 7 | | | | 31 | 0 | 329 | 192 | 268 | 240 | | | |
| 8 | | | | 57 | 0 | 329 | 192 | 273 | 235 | | | |
| 9 | | | | 69 | 75 | 329 | 198 | 278 | 235 | | | |
| 10 | | | | 87 | 177 | 334 | 203 | 273 | 230 | | | |
| 11 | | | | 87 | 235 | 319 | 200 | 292 | 203 | | | |
| 12 | | | | 75 | 287 | 282 | 197 | 301 | 180 | | | |
| 13 | | | | 63 | 329 | 263 | 197 | 306 | 50 | | | |
| 14 | | | | 63 | 343 | 263 | 203 | 298 | 50 | | | |
| 15 | | | | 63 | 315 | 273 | 203 | 301 | 50 | | | |
| 16 | | | | 69 | 310 | 273 | 250 | 245 | 44 | | | |
| 17 | | | | 69 | 301 | 273 | 301 | 235 | 38 | | | |
| 18 | | | | 63 | 128 | 273 | 301 | 219 | 0 | | | |
| 19 | | | | 63 | 123 | 273 | 292 | 250 | 0 | | | |
| 20 | | | | 75 | 123 | 278 | 273 | 259 | 0 | | | |
| 21 | | | | 69 | 123 | 140 | 259 | 259 | 0 | | | |
| 22 | | | | 63 | 157 | 25 | 273 | 250 | 0 | | | |
| 23 | | | | 63 | 203 | 18 | 263 | 254 | 0 | | | |
| 24 | | | | 57 | 219 | 18 | 240 | 263 | 0 | | | |
| 25 | | | | 51 | 213 | 12 | 213 | 254 | 0 | | | |
| 26 | | | | 44 | 187 | 12 | 219 | 259 | 0 | | | |
| 27 | | | | 38 | 187 | 18 | 213 | 235 | 0 | | | |
| 28 | | | | 31 | 187 | 25 | 219 | 213 | 0 | | | |
| 29 | | ------ | | 44 | 182 | 25 | 213 | 213 | 0 | | | |
| 30 | | ------ | | 51 | 182 | 25 | 230 | 208 | 0 | | | |
| 31 | | ------ | | ------ | 134 | ------ | 235 | 203 | ------ | | ------ | |
| TOTAL | | | | 1,781 | 4,776.0 | 5,288 | 6,100 | 7,802 | 3,082 | | | |
| MEAN | | | | 59.4 | 154 | 176 | 197 | 252 | 103 | | | |
| MAX | | | | 87 | 343 | 334 | 301 | 306 | 268 | | | |
| MIN | | | | 31 | 0 | 12 | 38 | 203 | 0 | | | |
| AC-FT | | | | 3,530 | 9,470 | 10,490 | 12,100 | 15,480 | 6,110 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 69 | 145 | 18 | 230 | 81 | | | |
| 2 | | | | | 93 | 145 | 18 | 250 | 75 | | | |
| 3 | | | | | 140 | 167 | 18 | 250 | 75 | | | |
| 4 | | | | | 145 | 167 | 24 | 254 | 69 | | | |
| 5 | | | | | 145 | 167 | 24 | 250 | 69 | | | |
| 6 | | | | | 140 | 167 | 24 | 250 | 69 | | | |
| 7 | | | | | 140 | 167 | 31 | 250 | 69 | | | |
| 8 | | | | | 140 | 175 | 31 | 250 | 63 | | | |
| 9 | | | | | 140 | 278 | 31 | 250 | 38 | | | |
| 10 | | | | | 134 | 361 | 37 | 250 | 0 | | | |
| 11 | | | | | 140 | 361 | 37 | 250 | 0 | | | |
| 12 | | | | | 140 | 379 | 37 | 250 | 0 | | | |
| 13 | | | | | 134 | 458 | 44 | 250 | 0 | | | |
| 14 | | | | | 117 | 319 | 93 | 250 | 0 | | | |
| 15 | | | | | 128 | 434 | 140 | 240 | 0 | | | |
| 16 | | | | | 145 | 24 | 140 | 229 | 0 | | | |
| 17 | | | | | 145 | 24 | 140 | 235 | 0 | | | |
| 18 | | | | | 151 | 24 | 140 | 219 | 0 | | | |
| 19 | | | | | 182 | 24 | 146 | 172 | 0 | | | |
| 20 | | | | | 229 | 18 | 146 | 167 | 0 | | | |
| 21 | | | | | 235 | 18 | 146 | 172 | 0 | | | |
| 22 | | | | | 229 | 18 | 151 | 172 | 0 | | | |
| 23 | | | | | 218 | 18 | 151 | 167 | 0 | | | |
| 24 | | | | | 282 | 18 | 151 | 172 | 0 | | | |
| 25 | | | | | 306 | 18 | 151 | 172 | 0 | | | |
| 26 | | | | | 224 | 18 | 151 | 167 | 0 | | | |
| 27 | | | | | 162 | 18 | 151 | 167 | 0 | | | |
| 28 | | | | | 151 | 18 | 167 | 162 | 0 | | | |
| 29 | | | | | 156 | 18 | 218 | 162 | 0 | | | |
| 30 | | ------ | | | 145 | 18 | 213 | 162 | 0 | | | |
| 31 | | ------ | | ------ | 145 | ------ | 213 | 162 | ------ | | ------ | |
| TOTAL | | | | | 5,050 | 4,184 | 3,182 | 6,583 | 608 | | | |
| MEAN | | | | | 163 | 139 | 103 | 212 | 20.3 | | | |
| MAX | | | | | 306 | 458 | 218 | 254 | 81 | | | |
| MIN | | | | | 69 | 18 | 18 | 162 | 0 | | | |
| AC-FT | | | | | 10,020 | 8,300 | 6,310 | 13,060 | 1,210 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 282 | 208 | 162 | 198 | 117 | | | |
| 2 | | | | | 287 | 187 | 162 | 208 | 111 | | | |
| 3 | | | | | 287 | 187 | 162 | 203 | 105 | | | |
| 4 | | | | | 282 | 172 | 162 | 208 | 99 | | | |
| 5 | | | | | 278 | 151 | 162 | 203 | 99 | | | |
| 6 | | | | | 278 | 151 | 162 | 208 | 93 | | | |
| 7 | | | | | 278 | 151 | 162 | 203 | 87 | | | |
| 8 | | | | | 278 | 151 | 162 | 208 | 81 | | | |
| 9 | | | | | 273 | 151 | 162 | 203 | 75 | | | |
| 10 | | | | | 268 | 157 | 162 | 208 | 69 | | | |
| 11 | | | | | 259 | 157 | 162 | 203 | 69 | | | |
| 12 | | | | | 240 | 162 | 162 | 208 | 63 | | | |
| 13 | | | | | 259 | 162 | 162 | 198 | 57 | | | |
| 14 | | | | | 278 | 162 | 162 | 172 | 151 | | | |
| 15 | | | | | 287 | 157 | 162 | 167 | 230 | | | |
| 16 | | | | | 287 | 157 | 162 | 167 | 224 | | | |
| 17 | | | | | 287 | 151 | 162 | 167 | 224 | | | |
| 18 | | | | | 287 | 151 | 162 | 167 | 219 | | | |
| 19 | | | | | 250 | 151 | 162 | 167 | 213 | | | |
| 20 | | | | | 235 | 151 | 162 | 167 | 213 | | | |
| 21 | | | | | 235 | 187 | 151 | 167 | 208 | | | |
| 22 | | | | | 235 | 259 | 146 | 167 | 208 | | | |
| 23 | | | | | 235 | 259 | 146 | 162 | 208 | | | |
| 24 | | | | | 230 | 254 | 146 | 157 | 203 | | | |
| 25 | | | | | 230 | 254 | 172 | 151 | 203 | | | |
| 26 | | | | | 230 | 254 | 203 | 146 | 203 | | | |
| 27 | | | | | 230 | 254 | 192 | 140 | 203 | | | |
| 28 | | | | | 230 | 254 | 157 | 134 | 198 | | | |
| 29 | | ------ | | | 224 | 240 | 157 | 128 | 198 | | | |
| 30 | | ------ | | | 230 | 162 | 157 | 123 | 198 | | | |
| 31 | | ------ | | ------ | 235 | ------ | 177 | 123 | ------ | | ------ | |
| TOTAL | | | | | 8,004 | 5,604 | 5,044 | 5,431 | 4,629 | | | |
| MEAN | | | | | 258 | 187 | 163 | 175 | 154 | | | |
| MAX | | | | | 287 | 259 | 203 | 208 | 230 | | | |
| MIN | | | | | 224 | 151 | 146 | 123 | 57 | | | |
| AC-FT | | | | | 15,880 | 11,120 | 10,000 | 10,770 | 9,180 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 69 | 259 | 151 | 254 | 162 | | | |
| 2 | | | | | 69 | 259 | 151 | 250 | 162 | | | |
| 3 | | | | | 69 | 259 | 151 | 240 | 162 | | | |
| 4 | | | | | 69 | 259 | 146 | 240 | 162 | | | |
| 5 | | | | | 69 | 259 | 167 | 240 | 162 | | | |
| 6 | | | | | 69 | 259 | 224 | 240 | 162 | | | |
| 7 | | | | | 69 | 259 | 245 | 240 | 162 | | | |
| 8 | | | | | 81 | 254 | 250 | 240 | 162 | | | |
| 9 | | | | | 117 | 240 | 254 | 240 | 157 | | | |
| 10 | | | | | 117 | 235 | 254 | 235 | 157 | | | |
| 11 | | | | | 117 | 219 | 259 | 235 | 157 | | | |
| 12 | | | | | 117 | 213 | 263 | 235 | 157 | | | |
| 13 | | | | | 240 | 224 | 263 | 235 | 157 | | | |
| 14 | | | | | 343 | 224 | 268 | 230 | 157 | | | |
| 15 | | | | | 343 | 208 | 268 | 230 | 157 | | | |
| 16 | | | | | 338 | 203 | 268 | 219 | 157 | | | |
| 17 | | | | | 334 | 162 | 268 | 203 | 157 | | | |
| 18 | | | | | 282 | 134 | 263 | 187 | 157 | | | |
| 19 | | | | | 245 | 140 | 254 | 187 | 157 | | | |
| 20 | | | | | 245 | 140 | 230 | 192 | 151 | | | |
| 21 | | | | | 240 | 146 | 213 | 192 | 123 | | | |
| 22 | | | | | 240 | 146 | 197 | 187 | 105 | | | |
| 23 | | | | | 245 | 151 | 177 | 187 | 93 | | | |
| 24 | | | | | 245 | 146 | 230 | 187 | 87 | | | |
| 25 | | | | | 245 | 146 | 240 | 182 | 93 | | | |
| 26 | | | | | 245 | 146 | 224 | 177 | 93 | | | |
| 27 | | | | | 245 | 151 | 219 | 172 | 93 | | | |
| 28 | | | | | 250 | 151 | 230 | 172 | 93 | | | |
| 29 | | ------ | | | 254 | 151 | 254 | 172 | 93 | | | |
| 30 | | ------ | | | 259 | 151 | 250 | 167 | 93 | | | |
| 31 | | ------ | | ------ | 259 | ------ | 254 | 162 | ------ | | ------ | |
| TOTAL | | | | | 6,129 | 5,894 | 7,085 | 6,529 | 4,140 | | | |
| MEAN | | | | | 198 | 196 | 229 | 211 | 138 | | | |
| MAX | | | | | 343 | 259 | 268 | 254 | 162 | | | |
| MIN | | | | | 69 | 134 | 146 | 162 | 87 | | | |
| AC-FT | | | | | 12,160 | 11,690 | 14,050 | 12,950 | 8,210 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 240 | 203 | 208 | 0 | 87 | 81 | | | |
| 2 | | | | 240 | 208 | 93 | 0 | 87 | 81 | | | |
| 3 | | | | 245 | 208 | 87 | 0 | 87 | 87 | | | |
| 4 | | | | 245 | 208 | 81 | 0 | 87 | 87 | | | |
| 5 | | | | 240 | 208 | 75 | 0 | 81 | 87 | | | |
| 6 | | | | 245 | 203 | 75 | 0 | 81 | 87 | | | |
| 7 | | | | 245 | 208 | 69 | 0 | 81 | 87 | | | |
| 8 | | | | 240 | 208 | 69 | 0 | 81 | 87 | | | |
| 9 | | | | 245 | 213 | 69 | 0 | 81 | 87 | | | |
| 10 | | | | 245 | 213 | 69 | 0 | 87 | 87 | | | |
| 11 | | | | 250 | 235 | 63 | 0 | 87 | 87 | | | |
| 12 | | | | 259 | 334 | 63 | 0 | 87 | 87 | | | |
| 13 | | | | 259 | 329 | 38 | 0 | 93 | 87 | | | |
| 14 | | | | 254 | 324 | 0 | 0 | 87 | 87 | | | |
| 15 | | | | 254 | 319 | 0 | 0 | 63 | 87 | | | |
| 16 | | | | 254 | 319 | 0 | 0 | 69 | 87 | | | |
| 17 | | | | 240 | 319 | 0 | 0 | 69 | 81 | | | |
| 18 | | | | 224 | 319 | 0 | 0 | 69 | 81 | | | |
| 19 | | | | 219 | 319 | 0 | 0 | 75 | 81 | | | |
| 20 | | | | 235 | 319 | 0 | 87 | 75 | 81 | | | |
| 21 | | | | 224 | 319 | 0 | 87 | 75 | 81 | | | |
| 22 | | | | 213 | 319 | 0 | 87 | 81 | 75 | | | |
| 23 | | | | 208 | 329 | 0 | 99 | 81 | 75 | | | |
| 24 | | | | 203 | 329 | 0 | 99 | 81 | 75 | | | |
| 25 | | | | 192 | 301 | 0 | 99 | 81 | 75 | | | |
| 26 | | | | 198 | 287 | 0 | 99 | 81 | 75 | | | |
| 27 | | | | 198 | 278 | 0 | 99 | 81 | 69 | | | |
| 28 | | | | 198 | 268 | 0 | 81 | 81 | 69 | | | |
| 29 | | ------ | | 203 | 263 | 0 | 87 | 81 | 69 | | | |
| 30 | | ------ | | 198 | 268 | 0 | 87 | 81 | 63 | | | |
| 31 | | ------ | | ------ | 254 | ------ | 87 | 81 | ------ | | ------ | |
| TOTAL | | | | 6,913 | 8,431 | 1,059 | 1,098 | 2,499 | 2,430 | | | |
| MEAN | | | | 230 | 272 | 35.3 | 35.4 | 80.6 | 81.0 | | | |
| MAX | | | | 259 | 334 | 208 | 99 | 93 | 87 | | | |
| MIN | | | | 192 | 203 | 0 | 0 | 63 | 63 | | | |
| AC-FT | | | | 13,710 | 16,720 | 2,100 | 2,180 | 4,960 | 4,820 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 15 | 176 | 298 | 54 | 79 | | | |
| 2 | | | | | 15 | 165 | 293 | 84 | 74 | | | |
| 3 | | | | | 15 | 165 | 287 | 84 | 74 | | | |
| 4 | | | | | 15 | 170 | 287 | 79 | 74 | | | |
| 5 | | | | | 15 | 159 | 239 | 79 | 79 | | | |
| 6 | | | | | 15 | 159 | 0 | 74 | 79 | | | |
| 7 | | | | | 15 | 159 | 0 | 79 | 79 | | | |
| 8 | | | | | 15 | 159 | 0 | 74 | 79 | | | |
| 9 | | | | | 15 | 281 | 0 | 99 | 79 | | | |
| 10 | | | | | 15 | 392 | 0 | 99 | 74 | | | |
| 11 | | | | | 15 | 356 | 0 | 99 | 74 | | | |
| 12 | | | | | 15 | 344 | 0 | 104 | 69 | | | |
| 13 | | | | | 15 | 333 | 0 | 104 | 69 | | | |
| 14 | | | | | 15 | 333 | 0 | 104 | 64 | | | |
| 15 | | | | | 15 | 333 | 0 | 99 | 69 | | | |
| 16 | | | | | 15 | 327 | 0 | 99 | 69 | | | |
| 17 | | | | | 15 | 327 | 0 | 99 | 69 | | | |
| 18 | | | | | 15 | 321 | 0 | 99 | 69 | | | |
| 19 | | | | | 15 | 316 | 0 | 99 | 74 | | | |
| 20 | | | | | 19 | 316 | 0 | 99 | 74 | | | |
| 21 | | | | | 15 | 316 | 34 | 94 | 74 | | | |
| 22 | | | | | 15 | 316 | 34 | 94 | 69 | | | |
| 23 | | | | | 19 | 316 | 39 | 94 | 64 | | | |
| 24 | | | | | 19 | 316 | 39 | 94 | 64 | | | |
| 25 | | | | | 19 | 310 | 34 | 94 | 64 | | | |
| 26 | | | | | 19 | 304 | 34 | 89 | 64 | | | |
| 27 | | | | | 19 | 298 | 29 | 79 | 64 | | | |
| 28 | | | | | 15 | 293 | 34 | 74 | 74 | | | |
| 29 | | | | | 15 | 293 | 29 | 79 | 34 | | | |
| 30 | | ------ | | | 74 | 298 | 29 | 74 | 29 | | | |
| 31 | | ------ | | ------ | 176 | ------ | 29 | 79 | ------ | | ------ | |
| TOTAL | | | | | 709 | 8,351 | 1,768 | 2,754 | 2,070 | | | |
| MEAN | | | | | 22.9 | 278 | 57.0 | 88.8 | 69.0 | | | |
| MAX | | | | | 176 | 392 | 298 | 104 | 79 | | | |
| MIN | | | | | 15 | 159 | 0 | 54 | 29 | | | |
| AC-FT | | | | | 1,410 | 16,560 | 3,510 | 5,460 | 4,110 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 252 | 39 | 476 | 89 | 59 | 89 | | |
| 2 | | | | | 241 | 39 | 476 | 89 | 54 | 84 | | |
| 3 | | | | | 241 | 34 | 458 | 109 | 49 | 84 | | |
| 4 | | | | | 164 | 19 | 452 | 109 | 39 | 84 | | |
| 5 | | | | | 34 | 10 | 446 | 104 | 29 | 84 | | |
| 6 | | | | | 34 | 24 | 434 | 104 | 44 | 84 | | |
| 7 | | | | | 34 | 39 | 434 | 104 | 44 | 94 | | |
| 8 | | | | | 34 | 44 | 422 | 104 | 39 | 79 | | |
| 9 | | | | | 34 | 74 | 356 | 104 | 34 | 79 | | |
| 10 | | | | | 34 | 89 | 287 | 104 | 34 | 79 | | |
| 11 | | | | | 34 | 99 | 176 | 104 | 39 | 74 | | |
| 12 | | | | | 34 | 94 | 170 | 104 | 44 | 74 | | |
| 13 | | | | | 34 | 104 | 0 | 109 | 49 | 74 | | |
| 14 | | | | | 34 | 94 | 0 | 109 | 49 | 74 | | |
| 15 | | | | | 34 | 99 | 0 | 104 | 44 | 69 | | |
| 16 | | | | | 34 | 94 | 0 | 94 | 39 | 69 | | |
| 17 | | | | | 34 | 84 | 0 | 79 | 39 | 69 | | |
| 18 | | | | | 34 | 79 | 0 | 84 | 44 | 69 | | |
| 19 | | | | | 39 | 69 | 0 | 54 | 39 | 69 | | |
| 20 | | | | | 69 | 69 | 0 | 59 | 44 | 64 | | |
| 21 | | | | | 69 | 94 | 0 | 64 | 44 | 64 | | |
| 22 | | | | | 69 | 94 | 0 | 64 | 44 | 64 | | |
| 23 | | | | | 69 | 69 | 0 | 64 | 44 | 64 | | |
| 24 | | | | | 69 | 59 | 0 | 64 | 44 | 64 | | |
| 25 | | | | | 64 | 59 | 0 | 64 | 44 | 64 | | |
| 26 | | | | | 54 | 165 | 0 | 59 | 44 | 64 | | |
| 27 | | | | | 49 | 512 | 39 | 64 | 44 | 59 | | |
| 28 | | | | | 39 | 500 | 94 | 59 | 69 | 59 | | |
| 29 | | ------ | | | 44 | 500 | 99 | 59 | 94 | 59 | | |
| 30 | | ------ | | | 44 | 470 | 94 | 59 | 84 | 59 | | |
| 31 | | ------ | | ------ | 39 | ------ | 94 | 59 | ------ | 59 | ------ | |
| TOTAL | | | | | 2,091 | 3,818 | 5,007 | 2,599 | 1,410 | 2,214 | | |
| MEAN | | | | | 67.5 | 127 | 162 | 83.8 | 47.0 | 71.4 | | |
| MAX | | | | | 252 | 512 | 476 | 109 | 94 | 89 | | |
| MIN | | | | | 34 | 10 | 0 | 54 | 29 | 59 | | |
| AC-FT | | | | | 4,150 | 7,570 | 9,930 | 5,160 | 2,800 | 4,390 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 74 | 124 | 287 | 0 | 104 | 0 | | | |
| 2 | | | | 79 | 129 | 287 | 0 | 104 | 0 | | | |
| 3 | | | | 74 | 124 | 281 | 0 | 114 | 0 | | | |
| 4 | | | | 64 | 119 | 281 | 0 | 119 | 0 | | | |
| 5 | | | | 64 | 119 | 287 | 0 | 124 | 0 | | | |
| 6 | | | | 79 | 129 | 287 | 0 | 124 | 0 | | | |
| 7 | | | | 84 | 231 | 287 | 0 | 129 | 0 | | | |
| 8 | | | | 69 | 236 | 287 | 0 | 119 | 0 | | | |
| 9 | | | | 69 | 338 | 281 | 0 | 119 | 0 | | | |
| 10 | | | | 69 | 452 | 281 | 0 | 104 | 154 | | | |
| 11 | | | | 69 | 452 | 275 | 0 | 39 | 74 | | | |
| 12 | | | | 69 | 434 | 275 | 0 | 44 | 59 | | | |
| 13 | | | | 69 | 404 | 275 | 0 | 39 | 94 | | | |
| 14 | | | | 69 | 281 | 281 | 0 | 44 | 124 | | | |
| 15 | | | | 69 | 287 | 270 | 0 | 49 | 144 | | | |
| 16 | | | | 64 | 281 | 270 | 0 | 49 | 149 | | | |
| 17 | | | | 69 | 298 | 270 | 0 | 49 | 119 | | | |
| 18 | | | | 84 | 368 | 270 | 69 | 24 | 94 | | | |
| 19 | | | | 114 | 380 | 270 | 74 | 29 | 89 | | | |
| 20 | | | | 114 | 374 | 264 | 74 | 24 | 0 | | | |
| 21 | | | | 109 | 344 | 264 | 69 | 39 | 0 | | | |
| 22 | | | | 109 | 362 | 264 | 74 | 29 | 0 | | | |
| 23 | | | | 104 | 374 | 258 | 69 | 24 | 0 | | | |
| 24 | | | | 94 | 368 | 264 | 109 | 10 | 0 | | | |
| 25 | | | | 94 | 380 | 264 | 109 | 0 | 0 | | | |
| 26 | | | | 99 | 374 | 258 | 114 | 0 | 54 | | | |
| 27 | | | | 109 | 374 | 264 | 99 | 0 | 74 | | | |
| 28 | | | | 119 | 380 | 264 | 94 | 0 | 79 | | | |
| 29 | | ------ | | 114 | 374 | 214 | 94 | 0 | 79 | | | |
| 30 | | ------ | | 119 | 368 | 0 | 94 | 0 | 69 | | | |
| 31 | | ------ | | ------ | 338 | ------ | 99 | 0 | ------ | | ------ | |
| TOTAL | | | | 2,585 | 9,596 | 7,880 | 1,241 | 1,652 | 1,455 | | | |
| MEAN | | | | 86.2 | 310 | 263 | 40.0 | 53.3 | 48.5 | | | |
| MAX | | | | 119 | 452 | 287 | 114 | 129 | 154 | | | |
| MIN | | | | 64 | 119 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 5,130 | 19,030 | 15,630 | 2,460 | 3,280 | 2,890 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A C8000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 54 | 54 | 230 | 34 | 69 | 74 | 19 | | |
| 2 | | | | 54 | 54 | 230 | 39 | 69 | 69 | 24 | | |
| 3 | | | | 54 | 54 | 220 | 39 | 69 | 69 | 49 | | |
| 4 | | | | 54 | 59 | 220 | 39 | 89 | 64 | 129 | | |
| 5 | | | | 54 | 54 | 208 | 39 | 84 | 64 | 99 | | |
| 6 | | | | 54 | 49 | 154 | 44 | 84 | 64 | 99 | | |
| 7 | | | | 54 | 49 | 109 | 39 | 74 | 59 | 94 | | |
| 8 | | | | 54 | 49 | 109 | 39 | 69 | 59 | 59 | | |
| 9 | | | | 54 | 49 | 109 | 44 | 74 | 64 | 104 | | |
| 10 | | | | 54 | 49 | 114 | 39 | 69 | 49 | 99 | | |
| 11 | | | | 54 | 44 | 109 | 44 | 59 | 44 | 99 | | |
| 12 | | | | 54 | 39 | 114 | 49 | 49 | 44 | 94 | | |
| 13 | | | | 54 | 39 | 109 | 44 | 44 | 39 | 94 | | |
| 14 | | | | 74 | 34 | 129 | 44 | 49 | 44 | 94 | | |
| 15 | | | | 198 | 29 | 214 | 44 | 49 | 44 | 104 | | |
| 16 | | | | 230 | 29 | 214 | 39 | 59 | 44 | 119 | | |
| 17 | | | | 236 | 29 | 214 | 44 | 54 | 44 | 119 | | |
| 18 | | | | 134 | 29 | 214 | 44 | 44 | 49 | 103 | | |
| 19 | | | | 64 | 29 | 192 | 44 | 39 | 44 | 103 | | |
| 20 | | | | 64 | 29 | 89 | 39 | 34 | 44 | 103 | | |
| 21 | | | | 64 | 29 | 0 | 29 | 24 | 44 | 103 | | |
| 22 | | | | 64 | 29 | 0 | 44 | 19 | 39 | 103 | | |
| 23 | | | | 64 | 29 | 19 | 49 | 0 | 39 | 103 | | |
| 24 | | | | 64 | 29 | 64 | 44 | 0 | 34 | 103 | | |
| 25 | | | | 64 | 39 | 64 | 44 | 0 | 34 | 103 | | |
| 26 | | | | 64 | 74 | 69 | 54 | 24 | 34 | 103 | | |
| 27 | | | | 59 | 69 | 74 | 94 | 24 | 34 | 103 | | |
| 28 | | | | 59 | 54 | 54 | 99 | 24 | 29 | 103 | | |
| 29 | | ------ | | 59 | 59 | 44 | 74 | 29 | 24 | 103 | | |
| 30 | | ------ | | 59 | 59 | 39 | 69 | 54 | 24 | 103 | | |
| 31 | | ------ | | ------ | 144 | ------ | 69 | 79 | ------ | 103 | ------ | |
| TOTAL | | | | 2,322 | 1,464 | 3,728 | 1,499 | 1,507 | 1,410 | 2,980 | | |
| MEAN | | | | 77.4 | 47.2 | 124 | 48.4 | 48.6 | 47.0 | 96.1 | | |
| MAX | | | | 236 | 144 | 230 | 99 | 89 | 74 | 129 | | |
| MIN | | | | 54 | 29 | 0 | 29 | 0 | 24 | 19 | | |
| AC-FT | | | | 4,610 | 2,900 | 7,390 | 2,970 | 2,990 | 2,800 | 5,910 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A C8000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 209 | 0 | 139 | 79 | 74 | 69 | 64 | | |
| 2 | | | | 209 | 29 | 139 | 89 | 79 | 74 | 64 | | |
| 3 | | | | 209 | 139 | 144 | 99 | 79 | 79 | 64 | | |
| 4 | | | | 198 | 129 | 139 | 104 | 79 | 79 | 49 | | |
| 5 | | | | 198 | 129 | 139 | 94 | 79 | 79 | 59 | | |
| 6 | | | | 203 | 99 | 129 | 79 | 79 | 79 | 59 | | |
| 7 | | | | 231 | 74 | 304 | 79 | 79 | 79 | 74 | | |
| 8 | | | | 270 | 74 | 298 | 44 | 79 | 79 | 69 | | |
| 9 | | | | 253 | 74 | 298 | 0 | 79 | 74 | 69 | | |
| 10 | | | | 242 | 74 | 298 | 0 | 79 | 74 | 94 | | |
| 11 | | | | 236 | 74 | 293 | 0 | 79 | 74 | 104 | | |
| 12 | | | | 242 | 79 | 287 | 10 | 74 | 74 | 89 | | |
| 13 | | | | 258 | 124 | 275 | 39 | 74 | 79 | 69 | | |
| 14 | | | | 281 | 119 | 270 | 34 | 79 | 79 | 89 | | |
| 15 | | | | 264 | 99 | 124 | 29 | 79 | 79 | 99 | | |
| 16 | | | | 242 | 15 | 119 | 24 | 79 | 74 | 94 | | |
| 17 | | | | 231 | 15 | 124 | 24 | 74 | 74 | 84 | | |
| 18 | | | | 214 | 19 | 114 | 24 | 74 | 74 | 79 | | |
| 19 | | | | 209 | 54 | 109 | 29 | 74 | 74 | 74 | | |
| 20 | | | | 181 | 79 | 109 | 24 | 74 | 74 | 64 | | |
| 21 | | | | 170 | 74 | 104 | 19 | 74 | 74 | 79 | | |
| 22 | | | | 159 | 242 | 109 | 14 | 74 | 74 | 89 | | |
| 23 | | | | 139 | 404 | 109 | 10 | 74 | 74 | 89 | | |
| 24 | | | | 134 | 392 | 114 | 10 | 74 | 74 | 84 | | |
| 25 | | | | 99 | 375 | 114 | 10 | 74 | 74 | 84 | | |
| 26 | | | | 0 | 368 | 114 | 5.0 | 69 | 74 | 84 | | |
| 27 | | | | 0 | 368 | 114 | 5.0 | 69 | 69 | 79 | | |
| 28 | | | | 0 | 356 | 109 | 5.0 | 69 | 69 | 69 | | |
| 29 | | | | 0 | 350 | 104 | 5.0 | 69 | 69 | 74 | | |
| 30 | | ------ | | 0 | 350 | 79 | 5.0 | 69 | 69 | 79 | | |
| 31 | | ------ | | ------ | 270 | ------ | 34 | 69 | ------ | 79 | ------ | |
| TOTAL | | | | 5,281 | 5,047 | 4,921 | 1,026.0 | 2,329 | 2,240 | 2,399 | | |
| MEAN | | | | 176 | 163 | 164 | 33.1 | 75.1 | 74.7 | 77.4 | | |
| MAX | | | | 281 | 404 | 304 | 104 | 79 | 79 | 104 | | |
| MIN | | | | 0 | 0 | 79 | 0 | 69 | 69 | 49 | | |
| AC-FT | | | | 10,470 | 10,010 | 9,760 | 2,040 | 4,620 | 4,440 | 4,760 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 84 | 69 | 34 | 39 | 34 | 0 | 29 | | |
| 2 | | | | 84 | 64 | 49 | 44 | 29 | 15 | 24 | | |
| 3 | | | | 84 | 49 | 74 | 44 | 29 | 15 | 19 | | |
| 4 | | | | 79 | 33 | 89 | 44 | 29 | 0 | 15 | | |
| 5 | | | | 79 | 0 | 84 | 39 | 0 | 0 | 15 | | |
| 6 | | | | 84 | 0 | 69 | 39 | 0 | 0 | 19 | | |
| 7 | | | | 84 | 0 | 64 | 39 | 0 | 0 | 10 | | |
| 8 | | | | 84 | 0 | 64 | 34 | 0 | 0 | 29 | | |
| 9 | | | | 79 | 0 | 59 | 24 | 0 | 0 | 54 | | |
| 10 | | | | 79 | 0 | 64 | 0 | 0 | 0 | 59 | | |
| 11 | | | | 79 | 0 | 74 | 0 | 0 | 0 | 59 | | |
| 12 | | | | 79 | 0 | 74 | 10 | 0 | 0 | 54 | | |
| 13 | | | | 79 | 0 | 74 | 0 | 0 | 24 | 44 | | |
| 14 | | | | 104 | 0 | 69 | 0 | 0 | 44 | 59 | | |
| 15 | | | | 109 | 0 | 84 | 0 | 0 | 29 | 109 | | |
| 16 | | | | 94 | 0 | 84 | 0 | 0 | 34 | 134 | | |
| 17 | | | | 79 | 0 | 74 | 0 | 0 | 44 | 109 | | |
| 18 | | | | 79 | 0 | 79 | 0 | 0 | 44 | 89 | | |
| 19 | | | | 69 | 0 | 89 | 0 | 0 | 34 | 84 | | |
| 20 | | | | 69 | 0 | 74 | 0 | 0 | 34 | 79 | | |
| 21 | | | | 94 | 0 | 59 | 0 | 0 | 34 | 74 | | |
| 22 | | | | 79 | 0 | 59 | 0 | 0 | 34 | 74 | | |
| 23 | | | | 94 | 0 | 44 | 19 | 0 | 29 | 79 | | |
| 24 | | | | 94 | 0 | 34 | 39 | 0 | 29 | 74 | | |
| 25 | | | | 109 | 0 | 24 | 24 | 15 | 24 | 74 | | |
| 26 | | | | 124 | 0 | 19 | 10 | 0 | 15 | 74 | | |
| 27 | | | | 104 | 0 | 19 | 0 | 0 | 29 | 69 | | |
| 28 | | | | 89 | 0 | 29 | 0 | 0 | 39 | 74 | | |
| 29 | | ------ | | 79 | 0 | 49 | 0 | 0 | 34 | 74 | | |
| 30 | | ------ | | 74 | 0 | 39 | 0 | 0 | 19 | 69 | | |
| 31 | | ------ | | ------ | 10 | ------ | 19 | 0 | ------ | 69 | ------ | |
| TOTAL | | | | 2,570 | 225 | 1,800 | 467 | 136 | 603 | 1,857 | | |
| MEAN | | | | 85.7 | 7.26 | 60.0 | 15.1 | 4.39 | 20.1 | 61.2 | | |
| MAX | | | | 124 | 69 | 89 | 44 | 34 | 44 | 134 | | |
| MIN | | | | 64 | 0 | 19 | 0 | 0 | 0 | 10 | | |
| AC-FT | | | | 5,100 | 446 | 3,570 | 926 | 270 | 1,200 | 3,760 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 124 | 99 | 231 | 64 | 44 | 139 | 59 | | |
| 2 | | | | 124 | 94 | 214 | 69 | 79 | 154 | 59 | | |
| 3 | | | | 119 | 89 | 242 | 94 | 94 | 134 | 54 | | |
| 4 | | | | 109 | 89 | 281 | 44 | 99 | 99 | 54 | | |
| 5 | | | | 104 | 69 | 275 | 15 | 109 | 79 | 49 | | |
| 6 | | | | 99 | 49 | 264 | 29 | 129 | 39 | 44 | | |
| 7 | | | | 99 | 39 | 258 | 119 | 159 | 44 | 29 | | |
| 8 | | | | 104 | 44 | 258 | 109 | 187 | 39 | 39 | | |
| 9 | | | | 99 | 49 | 253 | 247 | 192 | 39 | 44 | | |
| 10 | | | | 99 | 74 | 253 | 253 | 187 | 44 | 44 | | |
| 11 | | | | 109 | 94 | 253 | 225 | 175 | 54 | 39 | | |
| 12 | | | | 119 | 74 | 253 | 197 | 181 | 49 | 44 | | |
| 13 | | | | 119 | 69 | 264 | 175 | 175 | 54 | 44 | | |
| 14 | | | | 119 | 69 | 264 | 175 | 170 | 54 | 44 | | |
| 15 | | | | 109 | 59 | 275 | 149 | 181 | 49 | 44 | | |
| 16 | | | | 104 | 39 | 275 | 139 | 159 | 49 | 44 | | |
| 17 | | | | 99 | 24 | 287 | 114 | 134 | 49 | 39 | | |
| 18 | | | | 64 | 19 | 287 | 74 | 114 | 49 | 44 | | |
| 19 | | | | 54 | 15 | 304 | 74 | 109 | 49 | 44 | | |
| 20 | | | | 64 | 39 | 298 | 79 | 134 | 49 | 44 | | |
| 21 | | | | 94 | 59 | 298 | 79 | 164 | 59 | 44 | | |
| 22 | | | | 154 | 79 | 287 | 64 | 164 | 54 | 44 | | |
| 23 | | | | 109 | 89 | 281 | 29 | 154 | 54 | 44 | | |
| 24 | | | | 94 | 69 | 281 | 39 | 149 | 54 | 44 | | |
| 25 | | | | 109 | 84 | 236 | 34 | 144 | 49 | 44 | | |
| 26 | | | | 170 | 104 | 258 | 39 | 114 | 44 | 39 | | |
| 27 | | | | 241 | 129 | 247 | 34 | 94 | 54 | 44 | | |
| 28 | | | | 89 | 225 | 242 | 29 | 104 | 59 | 44 | | |
| 29 | | ------ | | 99 | 315 | 220 | 15 | 99 | 54 | 44 | | |
| 30 | | ------ | | 114 | 298 | 154 | 34 | 94 | 59 | 44 | | |
| 31 | | ------ | | ------ | 264 | ------ | 34 | 94 | ------ | 49 | ------ | |
| TOTAL | | | | 3,313 | 2,911 | 7,793 | 2,874 | 4,185 | 1,855 | 1,389 | | |
| MEAN | | | | 110 | 93.9 | 260 | 92.7 | 135 | 61.8 | 44.8 | | |
| MAX | | | | 241 | 315 | 304 | 253 | 192 | 154 | 59 | | |
| MIN | | | | 54 | 15 | 154 | 15 | 44 | 39 | 29 | | |
| AC-FT | | | | 6,570 | 5,770 | 15,460 | 5,700 | 8,300 | 3,680 | 2,760 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 297 | 154 | 114 | 124 | 64 | 0 | | |
| 2 | | | | | 253 | 149 | 119 | 119 | 64 | 0 | | |
| 3 | | | | | 198 | 144 | 114 | 114 | 59 | 0 | | |
| 4 | | | | | 170 | 119 | 119 | 109 | 59 | 0 | | |
| 5 | | | | | 176 | 84 | 114 | 109 | 59 | 0 | | |
| 6 | | | | | 176 | 94 | 114 | 104 | 64 | 0 | | |
| 7 | | | | | 176 | 209 | 109 | 94 | 64 | 0 | | |
| 8 | | | | | 176 | 225 | 109 | 94 | 59 | 0 | | |
| 9 | | | | | 181 | 304 | 104 | 94 | 74 | 0 | | |
| 10 | | | | | 165 | 339 | 104 | 94 | 134 | 0 | | |
| 11 | | | | | 198 | 149 | 99 | 94 | 129 | 0 | | |
| 12 | | | | | 247 | 144 | 109 | 94 | 129 | 0 | | |
| 13 | | | | | 253 | 144 | 187 | 94 | 124 | 0 | | |
| 14 | | | | | 214 | 139 | 149 | 94 | 124 | 0 | | |
| 15 | | | | | 192 | 139 | 139 | 94 | 119 | 0 | | |
| 16 | | | | | 181 | 134 | 139 | 94 | 119 | 0 | | |
| 17 | | | | | 225 | 134 | 139 | 94 | 114 | 80 | | |
| 18 | | | | | 287 | 134 | 134 | 89 | 119 | 159 | | |
| 19 | | | | | 368 | 134 | 134 | 84 | 119 | 144 | | |
| 20 | | | | | 362 | 165 | 134 | 79 | 39 | 134 | | |
| 21 | | | | | 350 | 165 | 134 | 74 | 0 | 149 | | |
| 22 | | | | | 339 | 159 | 129 | 69 | 0 | 165 | | |
| 23 | | | | | 327 | 154 | 129 | 69 | 0 | 154 | | |
| 24 | | | | | 321 | 154 | 124 | 69 | 39 | 134 | | |
| 25 | | | | | 316 | 144 | 129 | 69 | 0 | 124 | | |
| 26 | | | | | 270 | 144 | 124 | 69 | 0 | 119 | | |
| 27 | | | | | 176 | 134 | 124 | 69 | 0 | 129 | | |
| 28 | | | | | 170 | 134 | 119 | 64 | 0 | 124 | | |
| 29 | | ------ | | | 170 | 124 | 124 | 64 | 0 | 119 | | |
| 30 | | ------ | | | 170 | 124 | 124 | 64 | 0 | 110 | | |
| 31 | | ------ | | ------ | 165 | ------ | 124 | 64 | ------ | 100 | ------ | |
| TOTAL | | | | | 7,269 | 4,673 | 3,867 | 2,709 | 1,874 | 1,944 | | |
| MEAN | | | | | 234 | 156 | 125 | 87.4 | 62.5 | 62.7 | | |
| MAX | | | | | 368 | 339 | 187 | 124 | 134 | 165 | | |
| MIN | | | | | 165 | 84 | 99 | 64 | 0 | 0 | | |
| AC-FT | | | | | 14,420 | 9,270 | 7,670 | 5,370 | 3,720 | 3,860 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL BELOW HEAD GATE NUMBER 40A 08000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 80 | 189 | 200 | 75 | 55 | 25 | | | |
| 2 | | | | 95 | 173 | 195 | 75 | 80 | 20 | | | |
| 3 | | | | 95 | 135 | 195 | 75 | 115 | 15 | | | |
| 4 | | | | 95 | 120 | 189 | 75 | 130 | 10 | | | |
| 5 | | | | 95 | 200 | 189 | 75 | 206 | 15 | | | |
| 6 | | | | 100 | 162 | 189 | 75 | 206 | 20 | | | |
| 7 | | | | 100 | 184 | 189 | 75 | 200 | 30 | | | |
| 8 | | | | 105 | 189 | 189 | 75 | 195 | 30 | | | |
| 9 | | | | 100 | 228 | 189 | 75 | 189 | 45 | | | |
| 10 | | | | 100 | 255 | 189 | 75 | 178 | 50 | | | |
| 11 | | | | 110 | 255 | 189 | 75 | 167 | 45 | | | |
| 12 | | | | 140 | 255 | 189 | 75 | 162 | 50 | | | |
| 13 | | | | 167 | 255 | 184 | 75 | 145 | 55 | | | |
| 14 | | | | 184 | 255 | 184 | 75 | 110 | 60 | | | |
| 15 | | | | 217 | 228 | 184 | 70 | 120 | 55 | | | |
| 16 | | | | 217 | 206 | 178 | 70 | 120 | 55 | | | |
| 17 | | | | 217 | 195 | 178 | 65 | 110 | 50 | | | |
| 18 | | | | 211 | 173 | 184 | 65 | 95 | 55 | | | |
| 19 | | | | 206 | 173 | 184 | 65 | 75 | 60 | | | |
| 20 | | | | 200 | 173 | 178 | 60 | 75 | 55 | | | |
| 21 | | | | 195 | 173 | 178 | 60 | 70 | 50 | | | |
| 22 | | | | 189 | 178 | 189 | 60 | 60 | 50 | | | |
| 23 | | | | 189 | 178 | 184 | 60 | 55 | 75 | | | |
| 24 | | | | 184 | 173 | 178 | 55 | 60 | 162 | | | |
| 25 | | | | 167 | 173 | 120 | 40 | 65 | 162 | | | |
| 26 | | | | 195 | 173 | 80 | 35 | 50 | 184 | | | |
| 27 | | | | 217 | 162 | 80 | 25 | 45 | 195 | | | |
| 28 | | | | 173 | 162 | 75 | 20 | 30 | 184 | | | |
| 29 | | | | 162 | 162 | 75 | 5.0 | 25 | 162 | | | |
| 30 | | ------ | | 195 | 156 | 75 | 5.0 | 25 | 145 | | | |
| 31 | | ------ | | ------ | 178 | ------ | 20 | 15 | ------ | | ------ | |
| TOTAL | | | | 4,700 | 5,871 | 4,979 | 1,830.0 | 3,233 | 2,169 | | | |
| MEAN | | | | 157 | 189 | 166 | 59.0 | 104 | 72.3 | | | |
| MAX | | | | 217 | 255 | 200 | 75 | 206 | 195 | | | |
| MIN | | | | 80 | 120 | 75 | 5.0 | 15 | 10 | | | |
| AC-FT | | | | 9,320 | 11,650 | 9,880 | 3,630 | 6,410 | 4,300 | | | |

40A 08080 Deadmans Basin Supply Canal Above Reservoir near Shawmut, MT

LOCATION -- Lat 46° 20' 00", long 109° 27' 20" in SE¼ NW¼ SE¼ Sec. 27, T. 7 N., R. 18 E., Wheatland County, on right bank 11.2 mi (18.0 km) downstream from headgate which is at river mile 303.7 (488.7 km) and 0.1 mi (0.2 km) upstream from reservoir, 4 mi (6 km) east of Shawmut.

DRAINAGE AREA -- Above canal headgate and side coulees draining into canal 1,504 sq. mi (3,895 sq. km).

GAGE -- Water stage recorder. Altitude of gage 3,920 ft (1,195 m) from topography map.

AVERAGE DISCHARGE -- 1962 to 1976 - 30,900 AF/season (38.1 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 483 $ft^3/s$ (13.7 $m^3/s$), June 29, 1969. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of log jams in drop structure to reservoir.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 442 | 147 | 56 | 109 | 0 | 147 | |
| 2 | | | | | 0 | 437 | 140 | 60 | 105 | 0 | 147 | |
| 3 | | | | | 0 | 437 | 60 | 41 | 95 | 0 | 147 | |
| 4 | | | | | 0 | 437 | 41 | 35 | 98 | 0 | 137 | |
| 5 | | | | | 0 | 433 | 44 | 32 | 102 | 0 | 112 | |
| 6 | | | | | 0 | 433 | 18 | 23 | 98 | 0 | 63 | |
| 7 | | | | | 0 | 428 | 0 | 20 | 105 | 0 | 35 | |
| 8 | | | | | 0 | 428 | 0 | 13 | 84 | 0 | 32 | |
| 9 | | | | | 0 | 428 | 0 | 0 | 84 | 0 | 10 | |
| 10 | | | | | 0 | 428 | 0 | 0 | 77 | 0 | 0 | |
| 11 | | | | | 0 | 428 | 0 | 0 | 91 | 21 | 0 | |
| 12 | | | | | 0 | 433 | 0 | 29 | 91 | 91 | 0 | |
| 13 | | | | | 0 | 428 | 0 | 32 | 91 | 109 | 0 | |
| 14 | | | | | 6.0 | 475 | 81 | 23 | 88 | 109 | 0 | |
| 15 | | | | | 5.0 | 437 | 105 | 18 | 88 | 109 | 0 | |
| 16 | | | | | 29 | 428 | 112 | 18 | 84 | 109 | 0 | |
| 17 | | | | | 41 | 415 | 112 | 15 | 81 | 109 | 0 | |
| 18 | | | | | 35 | 403 | 130 | 18 | 77 | 109 | 0 | |
| 19 | | | | | 26 | 390 | 112 | 23 | 77 | 95 | 0 | |
| 20 | | | | | 44 | 390 | 98 | 32 | 74 | 88 | 0 | |
| 21 | | | | | 289 | 413 | 84 | 35 | 74 | 98 | 0 | |
| 22 | | | | | 434 | 269 | 81 | 38 | 77 | 91 | 54 | |
| 23 | | | | | 399 | 260 | 63 | 44 | 88 | 84 | 130 | |
| 24 | | | | | 319 | 260 | 29 | 47 | 77 | 95 | 130 | |
| 25 | | | | | 283 | 260 | 0 | 102 | 26 | 137 | 105 | |
| 26 | | | | | 442 | 233 | 0 | 116 | 2.5 | 154 | 140 | |
| 27 | | | | | 451 | 242 | 7.5 | 105 | 0 | 158 | 147 | |
| 28 | | | | | 451 | 222 | 38 | 47 | 0 | 154 | 154 | |
| 29 | | ------ | | | 446 | 182 | 67 | 35 | 0 | 154 | 174 | |
| 30 | | ------ | | | 446 | 158 | 67 | 102 | 0 | 154 | 224 | |
| 31 | | ------ | | ------ | 442 | ------ | 50 | 119 | ------ | 147 | ------ | |
| TOTAL | | | | | 4,588.0 | 11,057 | 1,686.5 | 1,278 | 2,143.5 | 2,375 | 2,088 | |
| MEAN | | | | | 148 | 369 | 54.4 | 41.2 | 71.5 | 76.6 | 69.6 | |
| MAX | | | | | 451 | 475 | 147 | 119 | 109 | 158 | 224 | |
| MIN | | | | | 0 | 158 | 0 | 0 | 0 | 0 | 0 | |
| AC-FT | | | | | 9,100 | 21,930 | 3,350 | 2,530 | 4,250 | 4,710 | 4,140 | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 182 | 74 | 74 | 0 | 15 | 35 | | | |
| 2 | | | | 178 | 41 | 38 | 0 | 5.0 | 60 | | | |
| 3 | | | | 174 | 20 | 29 | 0 | 2.0 | 84 | | | |
| 4 | | | | 174 | 20 | 30 | 0 | 0 | 84 | | | |
| 5 | | | | 154 | 13 | 77 | 0 | 4.0 | 91 | | | |
| 6 | | | | 154 | 2.5 | 260 | 0 | 20 | 91 | | | |
| 7 | | | | 147 | 2.0 | 283 | 0 | 29 | 84 | | | |
| 8 | | | | 158 | 2.0 | 283 | 17 | 35 | 81 | | | |
| 9 | | | | 170 | 2.0 | 283 | 41 | 35 | 77 | | | |
| 10 | | | | 190 | 84 | 287 | 35 | 38 | 77 | | | |
| 11 | | | | 202 | 174 | 287 | 20 | 41 | 74 | | | |
| 12 | | | | 185 | 242 | 238 | 18 | 60 | 60 | | | |
| 13 | | | | 91 | 287 | 214 | 7.5 | 67 | 56 | | | |
| 14 | | | | 84 | 358 | 210 | 2.0 | 74 | 53 | | | |
| 15 | | | | 88 | 329 | 210 | 0 | 67 | 50 | | | |
| 16 | | | | 88 | 301 | 210 | 0 | 50 | 41 | | | |
| 17 | | | | 91 | 292 | 210 | 64 | 38 | 30 | | | |
| 18 | | | | 91 | 186 | 210 | 56 | 29 | 20 | | | |
| 19 | | | | 88 | 126 | 202 | 44 | 26 | 15 | | | |
| 20 | | | | 88 | 119 | 190 | 26 | 44 | 10 | | | |
| 21 | | | | 85 | 119 | 165 | 23 | 50 | 5.0 | | | |
| 22 | | | | 91 | 116 | 44 | 18 | 53 | 0 | | | |
| 23 | | | | 91 | 162 | 7.5 | 41 | 50 | 0 | | | |
| 24 | | | | 88 | 190 | 2.0 | 26 | 50 | 0 | | | |
| 25 | | | | 81 | 198 | 0 | 13 | 56 | 0 | | | |
| 26 | | | | 74 | 186 | 0 | 7.5 | 50 | 0 | | | |
| 27 | | | | 67 | 182 | 0 | 2.0 | 50 | 0 | | | |
| 28 | | | | 63 | 182 | 0 | 2.0 | 35 | 0 | | | |
| 29 | | ------ | | 60 | 178 | 0 | 10 | 29 | 0 | | | |
| 30 | | ------ | | 70 | 166 | 0 | 10 | 29 | 0 | | | |
| 31 | | ------ | | ------ | 162 | ------ | 23 | 29 | ------ | | ------ | |
| TOTAL | | | | 3,547 | 4,515.5 | 4,043.5 | 506.0 | 1,160.0 | 1,178.0 | | | |
| MEAN | | | | 118 | 146 | 135 | 16.3 | 37.4 | 39.3 | | | |
| MAX | | | | 202 | 358 | 287 | 64 | 74 | 91 | | | |
| MIN | | | | 60 | 2.0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 7,040 | 8,960 | 8,020 | 1,000 | 2,300 | 2,340 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 70 | 102 | 0 | 44 | 56 | | | |
| 2 | | | | | 95 | 102 | 0 | 56 | 32 | | | |
| 3 | | | | | 133 | 123 | 0 | 53 | 20 | | | |
| 4 | | | | | 151 | 123 | 0 | 53 | 15 | | | |
| 5 | | | | | 147 | 112 | 0 | 50 | 15 | | | |
| 6 | | | | | 144 | 123 | 0 | 50 | 13 | | | |
| 7 | | | | | 144 | 130 | 0 | 50 | 13 | | | |
| 8 | | | | | 144 | 190 | 0 | 63 | 13 | | | |
| 9 | | | | | 133 | 411 | 0 | 60 | 15 | | | |
| 10 | | | | | 130 | 234 | 0 | 63 | 20 | | | |
| 11 | | | | | 130 | 226 | 0 | 56 | 7.5 | | | |
| 12 | | | | | 130 | 230 | 0 | 74 | 0 | | | |
| 13 | | | | | 130 | 194 | 0 | 81 | 0 | | | |
| 14 | | | | | 109 | 210 | 0 | 91 | 0 | | | |
| 15 | | | | | 112 | 206 | 0 | 91 | 0 | | | |
| 16 | | | | | 123 | 194 | 1.0 | 88 | 0 | | | |
| 17 | | | | | 133 | 44 | 50 | 91 | 0 | | | |
| 18 | | | | | 137 | 41 | 44 | 95 | 0 | | | |
| 19 | | | | | 137 | 38 | 44 | 74 | 0 | | | |
| 20 | | | | | 190 | 29 | 41 | 60 | 0 | | | |
| 21 | | | | | 210 | 29 | 38 | 56 | 0 | | | |
| 22 | | | | | 210 | 29 | 29 | 56 | 0 | | | |
| 23 | | | | | 202 | 26 | 32 | 56 | 0 | | | |
| 24 | | | | | 198 | 20 | 29 | 60 | 0 | | | |
| 25 | | | | | 310 | 20 | 32 | 56 | 0 | | | |
| 26 | | | | | 251 | 20 | 32 | 67 | 0 | | | |
| 27 | | | | | 170 | 13 | 29 | 67 | 0 | | | |
| 28 | | | | | 130 | 7.5 | 26 | 63 | 0 | | | |
| 29 | | | | | 133 | 5.0 | 44 | 67 | 0 | | | |
| 30 | | ------ | | | 119 | 2.5 | 53 | 63 | 0 | | | |
| 31 | | ------ | | ------ | 112 | ------ | 53 | 67 | ------ | | ------ | |
| TOTAL | | | | | 4,667 | 3,234.0 | 577.0 | 2,021 | 219.5 | | | |
| MEAN | | | | | 151 | 108 | 18.6 | 65.2 | 7.32 | | | |
| MAX | | | | | 310 | 411 | 53 | 95 | 56 | | | |
| MIN | | | | | 70 | 2.5 | 0 | 44 | 0 | | | |
| AC-FT | | | | | 9,260 | 6,410 | 1,140 | 4,010 | 435 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 360 | 230 | 95 | 0 | 60 | | | |
| 2 | | | | | 360 | 194 | 91 | 13 | 63 | | | |
| 3 | | | | | 365 | 182 | 88 | 32 | 63 | | | |
| 4 | | | | | 360 | 130 | 88 | 38 | 67 | | | |
| 5 | | | | | 360 | 88 | 88 | 44 | 67 | | | |
| 6 | | | | | 355 | 38 | 88 | 47 | 70 | | | |
| 7 | | | | | 355 | 53 | 88 | 56 | 70 | | | |
| 8 | | | | | 355 | 50 | 88 | 60 | 67 | | | |
| 9 | | | | | 350 | 47 | 88 | 60 | 67 | | | |
| 10 | | | | | 350 | 26 | 88 | 60 | 74 | | | |
| 11 | | | | | 349 | 13 | 88 | 53 | 70 | | | |
| 12 | | | | | 331 | 10 | 91 | 50 | 70 | | | |
| 13 | | | | | 310 | 23 | 91 | 53 | 70 | | | |
| 14 | | | | | 310 | 32 | 88 | 47 | 70 | | | |
| 15 | | | | | 318 | 10 | 81 | 44 | 130 | | | |
| 16 | | | | | 323 | 20 | 77 | 44 | 166 | | | |
| 17 | | | | | 314 | 116 | 67 | 32 | 170 | | | |
| 18 | | | | | 310 | 74 | 56 | 23 | 170 | | | |
| 19 | | | | | 296 | 74 | 53 | 23 | 170 | | | |
| 20 | | | | | 260 | 77 | 47 | 26 | 170 | | | |
| 21 | | | | | 251 | 81 | 38 | 29 | 174 | | | |
| 22 | | | | | 247 | 137 | 20 | 32 | 174 | | | |
| 23 | | | | | 247 | 174 | 5.0 | 35 | 170 | | | |
| 24 | | | | | 251 | 170 | 0 | 44 | 174 | | | |
| 25 | | | | | 247 | 170 | 0 | 47 | 170 | | | |
| 26 | | | | | 242 | 166 | 13 | 47 | 170 | | | |
| 27 | | | | | 242 | 170 | 47 | 50 | 174 | | | |
| 28 | | | | | 242 | 170 | 29 | 56 | 174 | | | |
| 29 | | ------ | | | 242 | 174 | 5.0 | 56 | 174 | | | |
| 30 | | ------ | | | 238 | 137 | 0 | 60 | 174 | | | |
| 31 | | ------ | | ------ | 234 | ------ | 0 | 56 | ------ | | ------ | |
| TOTAL | | | | | 9,374 | 3,036 | 1,786.0 | 1,317 | 3,652 | | | |
| MEAN | | | | | 302 | 101 | 57.6 | 42.5 | 122 | | | |
| MAX | | | | | 365 | 230 | 95 | 60 | 174 | | | |
| MIN | | | | | 234 | 10 | 0 | 0 | 60 | | | |
| AC-FT | | | | | 18,590 | 6,020 | 3,540 | 2,610 | 7,240 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A C8080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 1.0 | 150 | 1.0 | 13 | 19 | | | |
| 2 | | | | | 1.0 | 146 | 1.0 | 6.0 | 19 | | | |
| 3 | | | | | 1.0 | 146 | 3.0 | 4.0 | 19 | | | |
| 4 | | | | | 1.0 | 154 | 1.0 | 1.0 | 13 | | | |
| 5 | | | | | 1.0 | 150 | 0 | 1.0 | 11 | | | |
| 6 | | | | | 1.0 | 154 | 8.0 | 1.0 | 11 | | | |
| 7 | | | | | 1.0 | 154 | 63 | 4.0 | 4.0 | | | |
| 8 | | | | | 1.0 | 154 | 68 | 17 | 2.0 | | | |
| 9 | | | | | 1.0 | 142 | 68 | 28 | 2.0 | | | |
| 10 | | | | | 21 | 127 | 66 | 30 | 2.0 | | | |
| 11 | | | | | 25 | 115 | 66 | 40 | 2.0 | | | |
| 12 | | | | | 15 | 100 | 66 | 48 | 2.0 | | | |
| 13 | | | | | 13 | 93 | 60 | 45 | 2.0 | | | |
| 14 | | | | | 240 | 90 | 57 | 43 | 3.0 | | | |
| 15 | | | | | 251 | 80 | 57 | 48 | 6.0 | | | |
| 16 | | | | | 251 | 68 | 60 | 48 | 13 | | | |
| 17 | | | | | 264 | 57 | 60 | 40 | 21 | | | |
| 18 | | | | | 234 | 23 | 63 | 35 | 25 | | | |
| 19 | | | | | 146 | 11 | 51 | 25 | 28 | | | |
| 20 | | | | | 130 | 13 | 38 | 25 | 25 | | | |
| 21 | | | | | 130 | 13 | 19 | 30 | 21 | | | |
| 22 | | | | | 127 | 11 | 3.0 | 30 | 4.0 | | | |
| 23 | | | | | 134 | 11 | 1.0 | 28 | 1.0 | | | |
| 24 | | | | | 134 | 4.0 | 0 | 28 | 1.0 | | | |
| 25 | | | | | 130 | 2.0 | 0 | 28 | 0 | | | |
| 26 | | | | | 130 | 2.0 | 1.0 | 28 | 0 | | | |
| 27 | | | | | 130 | 2.0 | 0 | 25 | 0 | | | |
| 28 | | | | | 138 | 2.0 | 0 | 23 | 1.0 | | | |
| 29 | | ------ | | | 146 | 2.0 | 0 | 25 | 2.0 | | | |
| 30 | | ------ | | | 154 | 1.0 | 1.0 | 25 | 2.0 | | | |
| 31 | | ------ | | ------ | 159 | ------ | 3.0 | 23 | ------ | | ------ | |
| TOTAL | | | | | 3,111.0 | 2,177.0 | 885.0 | 795.0 | 261.0 | | | |
| MEAN | | | | | 100 | 72.6 | 28.5 | 25.6 | 8.70 | | | |
| MAX | | | | | 264 | 154 | 68 | 48 | 28 | | | |
| MIN | | | | | 1.0 | 1.0 | 0 | 1.0 | 0 | | | |
| AC-FT | | | | | 6,170 | 4,320 | 1,760 | 1,580 | 518 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 177 | 130 | 196 | 0 | 15 | 48 | | | |
| 2 | | | | 172 | 138 | 83 | 0 | 13 | 45 | | | |
| 3 | | | | 177 | 142 | 60 | 0 | 8.0 | 45 | | | |
| 4 | | | | 180 | 142 | 51 | 0 | 11 | 45 | | | |
| 5 | | | | 180 | 146 | 45 | 0 | 13 | 42 | | | |
| 6 | | | | 186 | 146 | 57 | 0 | 19 | 38 | | | |
| 7 | | | | 186 | 146 | 71 | 15 | 30 | 33 | | | |
| 8 | | | | 177 | 146 | 68 | 15 | 38 | 33 | | | |
| 9 | | | | 172 | 150 | 66 | 15 | 48 | 35 | | | |
| 10 | | | | 177 | 163 | 57 | 15 | 54 | 45 | | | |
| 11 | | | | 177 | 159 | 60 | 15 | 54 | 43 | | | |
| 12 | | | | 187 | 251 | 60 | 15 | 48 | 45 | | | |
| 13 | | | | 191 | 295 | 48 | 13 | 57 | 43 | | | |
| 14 | | | | 191 | 302 | 8.0 | 11 | 48 | 43 | | | |
| 15 | | | | 191 | 308 | 0 | 11 | 43 | 43 | | | |
| 16 | | | | 191 | 308 | 0 | 11 | 38 | 43 | | | |
| 17 | | | | 182 | 308 | 0 | 6.0 | 38 | 43 | | | |
| 18 | | | | 168 | 315 | 4.0 | 0 | 35 | 43 | | | |
| 19 | | | | 154 | 315 | 4.0 | 0 | 30 | 43 | | | |
| 20 | | | | 154 | 321 | 4.0 | 0 | 30 | 43 | | | |
| 21 | | | | 163 | 328 | 4.0 | 8.0 | 35 | 43 | | | |
| 22 | | | | 146 | 334 | 4.0 | 4.0 | 40 | 43 | | | |
| 23 | | | | 142 | 334 | 4.0 | 19 | 48 | 43 | | | |
| 24 | | | | 138 | 321 | 4.0 | 38 | 48 | 43 | | | |
| 25 | | | | 127 | 283 | 4.0 | 40 | 38 | 43 | | | |
| 26 | | | | 123 | 251 | 4.0 | 33 | 38 | 43 | | | |
| 27 | | | | 127 | 234 | 0 | 25 | 45 | 45 | | | |
| 28 | | | | 127 | 223 | 0 | 21 | 48 | 45 | | | |
| 29 | | ------ | | 127 | 218 | 0 | 17 | 48 | 45 | | | |
| 30 | | ------ | | 130 | 223 | 0 | 17 | 48 | 40 | | | |
| 31 | | ------ | | ------ | 218 | ------ | 8.0 | 48 | ------ | | ------ | |
| TOTAL | | | | 4,920 | 7,298 | 966.0 | 372.0 | 1,154.0 | 1,275 | | | |
| MEAN | | | | 164 | 235 | 32.2 | 12.0 | 37.2 | 42.5 | | | |
| MAX | | | | 191 | 334 | 196 | 40 | 57 | 48 | | | |
| MIN | | | | 123 | 130 | 0 | 0 | 8.0 | 33 | | | |
| AC-FT | | | | 9,760 | 14,480 | 1,920 | 738 | 2,290 | 2,530 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

OEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 13 | 168 | 283 | 19 | 66 | | | |
| 2 | | | | | 13 | 168 | 283 | 30 | 66 | | | |
| 3 | | | | | 15 | 163 | 289 | 21 | 66 | | | |
| 4 | | | | | 8.0 | 146 | 295 | 8.0 | 66 | | | |
| 5 | | | | | 6.0 | 130 | 265 | 6.0 | 66 | | | |
| 6 | | | | | 6.0 | 130 | 138 | 6.0 | 66 | | | |
| 7 | | | | | 6.0 | 134 | 30 | 6.0 | 71 | | | |
| 8 | | | | | 4.0 | 130 | 19 | 0 | 74 | | | |
| 9 | | | | | 4.0 | 168 | 17 | 0 | 74 | | | |
| 10 | | | | | 4.0 | 387 | 17 | 6.0 | 74 | | | |
| 11 | | | | | 2.0 | 419 | 15 | 40 | 74 | | | |
| 12 | | | | | 4.0 | 387 | 15 | 38 | 74 | | | |
| 13 | | | | | 8.0 | 371 | 11 | 38 | 71 | | | |
| 14 | | | | | 11 | 363 | 0 | 43 | 71 | | | |
| 15 | | | | | 13 | 334 | 0 | 51 | 68 | | | |
| 16 | | | | | 11 | 321 | 0 | 48 | 71 | | | |
| 17 | | | | | 13 | 316 | 0 | 43 | 71 | | | |
| 18 | | | | | 13 | 347 | 0 | 45 | 71 | | | |
| 19 | | | | | 19 | 355 | 0 | 54 | 71 | | | |
| 20 | | | | | 25 | 342 | 0 | 54 | 74 | | | |
| 21 | | | | | 21 | 321 | 0 | 54 | 77 | | | |
| 22 | | | | | 23 | 334 | 21 | 51 | 77 | | | |
| 23 | | | | | 21 | 355 | 23 | 48 | 74 | | | |
| 24 | | | | | 21 | 347 | 21 | 48 | 74 | | | |
| 25 | | | | | 23 | 334 | 21 | 60 | 77 | | | |
| 26 | | | | | 25 | 321 | 21 | 63 | 74 | | | |
| 27 | | | | | 23 | 308 | 17 | 63 | 74 | | | |
| 28 | | | | | 19 | 308 | 17 | 60 | 71 | | | |
| 29 | | | | | 21 | 283 | 17 | 63 | 74 | | | |
| 30 | | ------ | | | 21 | 278 | 17 | 66 | 86 | | | |
| 31 | | ------ | | ------ | 115 | ------ | 17 | 66 | ------ | | ------ | |
| TOTAL | | | | | 531.0 | 8,468 | 1,869 | 1,198.0 | 2,163 | | | |
| MEAN | | | | | 17.1 | 282 | 60.3 | 38.6 | 72.1 | | | |
| MAX | | | | | 115 | 419 | 295 | 66 | 86 | | | |
| MIN | | | | | 2.0 | 130 | 0 | 0 | 66 | | | |
| AC-FT | | | | | 1,050 | 16,800 | 3,710 | 2,380 | 4,290 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

OEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 295 | 0 | 467 | 13 | 23 | 33 | | |
| 2 | | | | | 283 | 0 | 451 | 0 | 23 | 40 | | |
| 3 | | | | | 270 | 0 | 451 | 0 | 21 | 51 | | |
| 4 | | | | | 277 | 0 | 443 | 4.0 | 19 | 54 | | |
| 5 | | | | | 104 | 0 | 443 | 0 | 15 | 54 | | |
| 6 | | | | | 43 | 0 | 427 | 6.0 | 15 | 57 | | |
| 7 | | | | | 40 | 0 | 419 | 8.0 | 17 | 54 | | |
| 8 | | | | | 38 | 0 | 411 | 8.0 | 11 | 54 | | |
| 9 | | | | | 38 | 0 | 379 | 8.0 | 4.0 | 57 | | |
| 10 | | | | | 35 | 8.0 | 308 | 13 | 0 | 60 | | |
| 11 | | | | | 35 | 21 | 334 | 15 | 6.0 | 57 | | |
| 12 | | | | | 33 | 25 | 107 | 15 | 13 | 60 | | |
| 13 | | | | | 21 | 25 | 33 | 17 | 11 | 60 | | |
| 14 | | | | | 23 | 30 | 25 | 40 | 13 | 63 | | |
| 15 | | | | | 21 | 28 | 25 | 43 | 15 | 60 | | |
| 16 | | | | | 19 | 38 | 25 | 48 | 17 | 57 | | |
| 17 | | | | | 11 | 28 | 21 | 35 | 19 | 57 | | |
| 18 | | | | | 0 | 21 | 19 | 33 | 17 | 57 | | |
| 19 | | | | | 0 | 38 | 21 | 28 | 15 | 57 | | |
| 20 | | | | | 10 | 38 | 23 | 17 | 13 | 57 | | |
| 21 | | | | | 43 | 43 | 23 | 17 | 11 | 54 | | |
| 22 | | | | | 40 | 68 | 21 | 19 | 6.0 | 54 | | |
| 23 | | | | | 33 | 66 | 19 | 25 | 6.0 | 54 | | |
| 24 | | | | | 35 | 51 | 6.0 | 25 | 8.0 | 54 | | |
| 25 | | | | | 38 | 60 | 0 | 25 | 8.0 | 57 | | |
| 26 | | | | | 33 | 107 | 0 | 28 | 8.0 | 54 | | |
| 27 | | | | | 19 | 379 | 0 | 28 | 8.0 | 54 | | |
| 28 | | | | | 13 | 467 | 0 | 28 | 8.0 | 54 | | |
| 29 | | ------ | | | 6.0 | 483 | 28 | 25 | 30 | 54 | | |
| 30 | | ------ | | | 6.0 | 475 | 25 | 25 | 38 | 54 | | |
| 31 | | ------ | | ------ | 0 | ------ | 17 | 25 | ------ | 54 | ------ | |
| TOTAL | | | | | 1,862.0 | 2,499.0 | 4,971.0 | 621.0 | 418.0 | 1,696 | | |
| MEAN | | | | | 60.1 | 83.3 | 160 | 20.0 | 13.9 | 54.7 | | |
| MAX | | | | | 295 | 483 | 467 | 48 | 38 | 63 | | |
| MIN | | | | | 0 | 0 | 0 | 0 | 0 | 33 | | |
| AC-FT | | | | | 3,690 | 4,960 | 9,860 | 1,230 | 829 | 3,360 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 59 | 97 | 274 | 33 | 43 | 17 | | | |
| 2 | | | | 57 | 100 | 248 | 29 | 41 | 20 | | | |
| 3 | | | | 59 | 100 | 248 | 20 | 41 | 18 | | | |
| 4 | | | | 54 | 100 | 253 | 12 | 43 | 17 | | | |
| 5 | | | | 49 | 103 | 253 | 9.0 | 47 | 18 | | | |
| 6 | | | | 54 | 103 | 258 | 6.0 | 47 | 18 | | | |
| 7 | | | | 62 | 228 | 263 | 4.5 | 43 | 18 | | | |
| 8 | | | | 59 | 233 | 263 | 4.5 | 45 | 21 | | | |
| 9 | | | | 52 | 243 | 263 | 3.0 | 41 | 23 | | | |
| 10 | | | | 52 | 400 | 263 | 3.0 | 33 | 69 | | | |
| 11 | | | | 52 | 418 | 258 | 2.0 | 18 | 124 | | | |
| 12 | | | | 52 | 418 | 248 | 7.5 | 0 | 91 | | | |
| 13 | | | | 52 | 412 | 243 | 17 | 0 | 100 | | | |
| 14 | | | | 52 | 340 | 243 | 14 | 3.0 | 121 | | | |
| 15 | | | | 52 | 290 | 233 | 11 | 6.0 | 136 | | | |
| 16 | | | | 52 | 290 | 218 | 6.0 | 7.5 | 148 | | | |
| 17 | | | | 52 | 290 | 208 | 4.5 | 18 | 140 | | | |
| 18 | | | | 52 | 340 | 203 | 7.5 | 20 | 124 | | | |
| 19 | | | | 77 | 376 | 188 | 33 | 12 | 117 | | | |
| 20 | | | | 91 | 388 | 193 | 21 | 9.0 | 114 | | | |
| 21 | | | | 91 | 352 | 188 | 20 | 12 | 43 | | | |
| 22 | | | | 88 | 352 | 184 | 11 | 18 | 21 | | | |
| 23 | | | | 85 | 346 | 188 | 11 | 18 | 18 | | | |
| 24 | | | | 77 | 346 | 188 | 18 | 15 | 18 | | | |
| 25 | | | | 74 | 334 | 188 | 35 | 14 | 18 | | | |
| 26 | | | | 74 | 323 | 198 | 31 | 14 | 72 | | | |
| 27 | | | | 82 | 323 | 198 | 31 | 11 | 100 | | | |
| 28 | | | | 94 | 323 | 193 | 31 | 3.0 | 114 | | | |
| 29 | | ------ | | 94 | 318 | 193 | 31 | 7.5 | 114 | | | |
| 30 | | ------ | | 88 | 312 | 97 | 35 | 14 | 110 | | | |
| 31 | | ------ | | ------ | 318 | ------ | 41 | 17 | ------ | | ------ | |
| TOTAL | | | | 1,988 | 8,916 | 6,636 | 542.5 | 661.0 | 2,082 | | | |
| MEAN | | | | 66.3 | 288 | 221 | 17.5 | 21.3 | 69.4 | | | |
| MAX | | | | 94 | 418 | 274 | 41 | 47 | 148 | | | |
| MIN | | | | 49 | 97 | 97 | 2.0 | 0 | 17 | | | |
| AC-FT | | | | 3,940 | 17,680 | 13,160 | 1,080 | 1,310 | 4,130 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 64 | 62 | 103 | 15 | 0 | 59 | 43 | | |
| 2 | | | | 64 | 62 | 193 | 20 | 0 | 56 | 41 | | |
| 3 | | | | 64 | 62 | 193 | 33 | 0 | 56 | 41 | | |
| 4 | | | | 64 | 62 | 208 | 39 | 0 | 56 | 88 | | |
| 5 | | | | 64 | 62 | 223 | 39 | 0 | 54 | 103 | | |
| 6 | | | | 64 | 54 | 203 | 39 | 3.0 | 54 | 94 | | |
| 7 | | | | 64 | 52 | 114 | 39 | 16 | 54 | 94 | | |
| 8 | | | | 62 | 52 | 100 | 37 | 25 | 54 | 100 | | |
| 9 | | | | 64 | 52 | 94 | 37 | 21 | 52 | 103 | | |
| 10 | | | | 64 | 49 | 94 | 41 | 18 | 52 | 106 | | |
| 11 | | | | 62 | 47 | 97 | 39 | 16 | 52 | 103 | | |
| 12 | | | | 62 | 43 | 94 | 39 | 9.0 | 47 | 103 | | |
| 13 | | | | 59 | 37 | 94 | 39 | 10 | 47 | 100 | | |
| 14 | | | | 59 | 31 | 88 | 39 | 10 | 45 | 100 | | |
| 15 | | | | 110 | 23 | 136 | 37 | 14 | 45 | 110 | | |
| 16 | | | | 180 | 21 | 184 | 27 | 12 | 45 | 124 | | |
| 17 | | | | 203 | 20 | 180 | 21 | 9.0 | 45 | 132 | | |
| 18 | | | | 172 | 20 | 172 | 9.0 | 12 | 47 | 100 | | |
| 19 | | | | 82 | 16 | 164 | 4.5 | 21 | 47 | 100 | | |
| 20 | | | | 74 | 9.0 | 148 | 4.5 | 21 | 47 | 100 | | |
| 21 | | | | 72 | 10 | 35 | 3.0 | 18 | 47 | 100 | | |
| 22 | | | | 72 | 15 | 4.5 | 3.0 | 7.5 | 47 | 100 | | |
| 23 | | | | 72 | 15 | 0 | 0 | 4.5 | 47 | 100 | | |
| 24 | | | | 72 | 15 | 20 | 0 | 0 | 45 | 100 | | |
| 25 | | | | 72 | 14 | 29 | 0 | 4.5 | 45 | 100 | | |
| 26 | | | | 72 | 20 | 33 | 0 | 15 | 45 | 100 | | |
| 27 | | | | 66 | 21 | 52 | 7.5 | 27 | 45 | 100 | | |
| 28 | | | | 64 | 15 | 33 | 25 | 29 | 43 | 100 | | |
| 29 | | ------ | | 64 | 0 | 23 | 21 | 31 | 43 | 100 | | |
| 30 | | ------ | | 62 | 0 | 20 | 3.0 | 41 | 43 | 100 | | |
| 31 | | ------ | | ------ | 0 | ------ | 0 | 56 | ------ | 100 | ------ | |
| TOTAL | | | | 2,389 | 961.0 | 3,131.5 | 660.5 | 450.5 | 1,464 | 2,985 | | |
| MEAN | | | | 79.6 | 31.0 | 104 | 21.3 | 14.5 | 48.8 | 96.3 | | |
| MAX | | | | 203 | 62 | 223 | 41 | 56 | 59 | 132 | | |
| MIN | | | | 59 | 0 | 0 | 0 | 0 | 43 | 41 | | |
| AC-FT | | | | 4,740 | 1,910 | 6,210 | 1,310 | 894 | 2,900 | 5,920 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 223 | 12 | 152 | 45 | 35 | 52 | 54 | | |
| 2 | | | | 223 | 11 | 110 | 45 | 54 | 52 | 52 | | |
| 3 | | | | 223 | 67 | 117 | 54 | 52 | 57 | 52 | | |
| 4 | | | | 218 | 136 | 121 | 64 | 49 | 57 | 57 | | |
| 5 | | | | 208 | 128 | 114 | 67 | 49 | 57 | 54 | | |
| 6 | | | | 208 | 124 | 107 | 59 | 49 | 59 | 54 | | |
| 7 | | | | 223 | 82 | 218 | 54 | 45 | 57 | 59 | | |
| 8 | | | | 268 | 77 | 223 | 59 | 43 | 57 | 69 | | |
| 9 | | | | 278 | 77 | 223 | 37 | 43 | 59 | 69 | | |
| 10 | | | | 253 | 77 | 248 | 15 | 31 | 59 | 74 | | |
| 11 | | | | 248 | 77 | 228 | 7.5 | 35 | 59 | 85 | | |
| 12 | | | | 248 | 74 | 218 | 0 | 25 | 62 | 85 | | |
| 13 | | | | 258 | 97 | 213 | 4.5 | 33 | 59 | 79 | | |
| 14 | | | | 290 | 117 | 168 | 29 | 46 | 59 | 74 | | |
| 15 | | | | 285 | 114 | 82 | 18 | 64 | 59 | 85 | | |
| 16 | | | | 263 | 67 | 74 | 12 | 11 | 59 | 91 | | |
| 17 | | | | 243 | 23 | 74 | 11 | 12 | 59 | 91 | | |
| 18 | | | | 238 | 14 | 77 | 3.0 | 23 | 57 | 87 | | |
| 19 | | | | 223 | 14 | 72 | 7.5 | 35 | 57 | 87 | | |
| 20 | | | | 208 | 52 | 72 | 9.0 | 37 | 57 | 85 | | |
| 21 | | | | 180 | 62 | 72 | 27 | 39 | 57 | 82 | | |
| 22 | | | | 172 | 79 | 69 | 37 | 35 | 57 | 94 | | |
| 23 | | | | 152 | 376 | 72 | 23 | 35 | 49 | 97 | | |
| 24 | | | | 140 | 406 | 72 | 23 | 47 | 49 | 94 | | |
| 25 | | | | 136 | 406 | 79 | 25 | 47 | 49 | 97 | | |
| 26 | | | | 97 | 400 | 79 | 25 | 54 | 49 | 97 | | |
| 27 | | | | 20 | 382 | 85 | 25 | 54 | 52 | 94 | | |
| 28 | | | | 17 | 370 | 85 | 23 | 54 | 52 | 94 | | |
| 29 | | | | 15 | 346 | 82 | 23 | 54 | 52 | 91 | | |
| 30 | | ------ | | 15 | 334 | 64 | 18 | 54 | 54 | 77 | | |
| 31 | | ------ | | ------ | 334 | ------ | 17 | 52 | ------ | 77 | ------ | |
| TOTAL | | | | 5,743 | 4,935 | 3,670 | 866.5 | 1,296 | 1,673 | 2,437 | | |
| MEAN | | | | 191 | 159 | 122 | 28.0 | 41.8 | 55.8 | 78.6 | | |
| MAX | | | | 290 | 406 | 248 | 67 | 64 | 62 | 97 | | |
| MIN | | | | 15 | 11 | 64 | 0 | 11 | 49 | 52 | | |
| AC-FT | | | | 11,390 | 9,790 | 7,280 | 1,720 | 2,570 | 3,320 | 4,830 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 99 | 62 | 0 | 11 | | 0 | 0 | | |
| 2 | | | | 72 | 62 | 0 | 11 | | 0 | 3.0 | | |
| 3 | | | | 72 | 54 | 15 | 7.5 | | 0 | 3.0 | | |
| 4 | | | | 99 | 47 | 27 | 6.0 | | 0 | 3.0 | | |
| 5 | | | | 69 | 31 | 21 | 0 | | 0 | 4.5 | | |
| 6 | | | | 69 | 17 | 11 | 0 | | 0 | 4.5 | | |
| 7 | | | | 72 | 15 | 0 | 0 | | 0 | 4.5 | | |
| 8 | | | | 74 | 12 | 0 | 0 | | 0 | 4.5 | | |
| 9 | | | | 99 | 12 | 0 | 0 | | 0 | 4.5 | | |
| 10 | | | | 99 | 7.5 | 0 | 0 | | 0 | 20 | | |
| 11 | | | | 69 | 6.0 | 0 | 0 | | 0 | 37 | | |
| 12 | | | | 67 | 4.5 | 4.5 | 0 | | 0 | 37 | | |
| 13 | | | | 69 | 4.5 | 11 | 0 | | 0 | 37 | | |
| 14 | | | | 74 | 3.0 | 17 | 0 | | 0 | 33 | | |
| 15 | | | | 82 | 0 | 25 | 0 | | 0 | 47 | | |
| 16 | | | | 85 | 0 | 27 | 0 | | 0 | 77 | | |
| 17 | | | | 74 | 0 | 21 | 0 | | 1.5 | 77 | | |
| 18 | | | | 67 | 0 | 18 | 0 | | 18 | 64 | | |
| 19 | | | | 67 | 0 | 20 | 0 | | 20 | 59 | | |
| 20 | | | | 43 | 0 | 17 | 0 | | 20 | 54 | | |
| 21 | | | | 96 | 0 | 14 | 0 | | 20 | 54 | | |
| 22 | | | | 82 | 0 | 14 | 0 | | 20 | 52 | | |
| 23 | | | | 74 | 0 | 12 | 0 | | 20 | 52 | | |
| 24 | | | | 77 | 0 | 9.0 | 0 | | 20 | 52 | | |
| 25 | | | | 79 | 0 | 7.5 | 0 | | 15 | 52 | | |
| 26 | | | | 91 | 0 | 0 | 0 | | 0 | 54 | | |
| 27 | | | | 91 | 0 | 0 | 0 | | 0 | 54 | | |
| 28 | | | | 79 | 0 | 0 | 0 | | 0 | 54 | | |
| 29 | | ------ | | 72 | 0 | 7.5 | 0 | | 0 | 54 | | |
| 30 | | ------ | | 67 | 0 | 17 | 0 | | 0 | 54 | | |
| 31 | | ------ | | ------ | 0 | ------ | 0 | | ------ | 54 | ------ | |
| TOTAL | | | | 2,179 | 337.5 | 315.5 | 35.5 | 0 | 154.5 | 1,159.5 | | |
| MEAN | | | | 72.6 | 10.9 | 10.5 | 1.15 | 0 | 5.15 | 37.4 | | |
| MAX | | | | 91 | 62 | 27 | 11 | 0 | 20 | 77 | | |
| MIN | | | | 43 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| AC-FT | | | | 4,320 | 669 | 626 | 70 | 0 | 306 | 2,300 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 107 | 117 | 223 | 107 | 27 | 85 | 49 | | |
| 2 | | | | 103 | 100 | 208 | 69 | 41 | 103 | 49 | | |
| 3 | | | | 100 | 91 | 208 | 77 | 49 | 100 | 49 | | |
| 4 | | | | 97 | 91 | 253 | 88 | 49 | 88 | 47 | | |
| 5 | | | | 91 | 77 | 258 | 51 | 51 | 88 | 45 | | |
| 6 | | | | 85 | 57 | 243 | 49 | 57 | 77 | 45 | | |
| 7 | | | | 82 | 31 | 248 | 132 | 74 | 64 | 41 | | |
| 8 | | | | 79 | 23 | 248 | 172 | 97 | 61 | 35 | | |
| 9 | | | | 79 | 23 | 248 | 193 | 103 | 59 | 37 | | |
| 10 | | | | 79 | 25 | 243 | 218 | 100 | 59 | 41 | | |
| 11 | | | | 82 | 49 | 248 | 198 | 107 | 61 | 41 | | |
| 12 | | | | 91 | 54 | 243 | 172 | 110 | 59 | 39 | | |
| 13 | | | | 91 | 45 | 243 | 140 | 132 | 59 | 43 | | |
| 14 | | | | 91 | 37 | 248 | 128 | 110 | 59 | 43 | | |
| 15 | | | | 88 | 29 | 243 | 121 | 113 | 57 | 43 | | |
| 16 | | | | 82 | 21 | 243 | 97 | 110 | 54 | 47 | | |
| 17 | | | | 79 | 13 | 243 | 82 | 100 | 54 | 45 | | |
| 18 | | | | 61 | 17 | 243 | 57 | 91 | 51 | 45 | | |
| 19 | | | | 49 | 11 | 253 | 45 | 88 | 49 | 45 | | |
| 20 | | | | 47 | 17 | 253 | 49 | 103 | 51 | 47 | | |
| 21 | | | | 51 | 33 | 243 | 54 | 113 | 49 | 47 | | |
| 22 | | | | 88 | 45 | 238 | 51 | 113 | 49 | 47 | | |
| 23 | | | | 100 | 59 | 233 | 37 | 113 | 51 | 49 | | |
| 24 | | | | 77 | 69 | 223 | 25 | 110 | 51 | 49 | | |
| 25 | | | | 71 | 64 | 218 | 31 | 107 | 51 | 49 | | |
| 26 | | | | 91 | 77 | 213 | 29 | 100 | 49 | 47 | | |
| 27 | | | | 238 | 97 | 203 | 31 | 88 | 49 | 47 | | |
| 28 | | | | 188 | 128 | 198 | 29 | 85 | 49 | 49 | | |
| 29 | | ------ | | 107 | 268 | 188 | 9.0 | 85 | 49 | 49 | | |
| 30 | | ------ | | 117 | 285 | 180 | 11 | 88 | 49 | 49 | | |
| 31 | | ------ | | ------ | 258 | ------ | 23 | 79 | ------ | 64 | ------ | |
| TOTAL | | | | 2,791 | 2,311 | 6,977 | 2,575.0 | 2,793 | 1,834 | 1,422 | | |
| MEAN | | | | 93.0 | 74.5 | 233 | 83.1 | 90.1 | 61.1 | 45.9 | | |
| MAX | | | | 238 | 285 | 258 | 218 | 132 | 103 | 64 | | |
| MIN | | | | 47 | 11 | 180 | 9.0 | 27 | 49 | 35 | | |
| AC-FT | | | | 5,540 | 4,580 | 13,840 | 5,110 | 5,540 | 3,640 | 2,820 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 263 | 132 | 91 | 74 | 49 | 0 | | |
| 2 | | | | | 238 | 121 | 91 | 72 | 49 | 0 | | |
| 3 | | | | | 218 | 91 | 88 | 72 | 45 | 0 | | |
| 4 | | | | | 156 | 107 | 88 | 69 | 47 | 0 | | |
| 5 | | | | | 156 | 59 | 88 | 69 | 45 | 0 | | |
| 6 | | | | | 168 | 41 | 85 | 69 | 45 | 0 | | |
| 7 | | | | | 168 | 88 | 82 | 64 | 52 | 0 | | |
| 8 | | | | | 168 | 176 | 79 | 59 | 54 | 0 | | |
| 9 | | | | | 172 | 176 | 79 | 59 | 54 | 0 | | |
| 10 | | | | | 176 | 228 | 79 | 43 | 72 | 0 | | |
| 11 | | | | | 160 | 148 | 79 | 41 | 91 | 0 | | |
| 12 | | | | | 223 | 117 | 77 | 54 | 94 | 0 | | |
| 13 | | | | | 238 | 107 | 114 | 64 | 94 | 0 | | |
| 14 | | | | | 228 | 91 | 136 | 69 | 82 | 0 | | |
| 15 | | | | | 184 | 94 | 100 | 62 | 82 | 0 | | |
| 16 | | | | | 172 | 100 | 100 | 43 | 79 | 2.4 | | |
| 17 | | | | | 176 | 103 | 79 | 52 | 82 | 3.0 | | |
| 18 | | | | | 164 | 103 | 74 | 59 | 82 | 79 | | |
| 19 | | | | | 318 | 107 | 79 | 59 | 85 | 100 | | |
| 20 | | | | | 352 | 110 | 77 | 57 | 82 | 97 | | |
| 21 | | | | | 346 | 124 | 74 | 54 | 91 | 97 | | |
| 22 | | | | | 340 | 121 | 79 | 54 | 57 | 114 | | |
| 23 | | | | | 323 | 114 | 77 | 54 | 57 | 148 | | |
| 24 | | | | | 312 | 103 | 74 | 49 | 72 | 107 | | |
| 25 | | | | | 301 | 103 | 72 | 43 | 57 | 91 | | |
| 26 | | | | | 263 | 160 | 69 | 39 | 12 | 91 | | |
| 27 | | | | | 164 | 103 | 67 | 41 | 0 | 94 | | |
| 28 | | | | | 148 | 94 | 64 | 45 | 0 | 94 | | |
| 29 | | ------ | | | 144 | 97 | 64 | 47 | 0 | 91 | | |
| 30 | | ------ | | | 136 | 94 | 71 | 47 | 0 | 91 | | |
| 31 | | ------ | | ------ | 136 | ------ | 74 | 47 | ------ | 91 | ------ | |
| TOTAL | | | | | 6,711 | 3,412 | 2,550 | 1,730 | 1,711 | 1,390.4 | | |
| MEAN | | | | | 216 | 114 | 82.3 | 55.8 | 57.0 | 44.9 | | |
| MAX | | | | | 352 | 228 | 136 | 74 | 94 | 148 | | |
| MIN | | | | | 136 | 41 | 64 | 39 | 0 | 0 | | |
| AC-FT | | | | | 13,310 | 6,770 | 5,060 | 3,430 | 3,390 | 2,760 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DEADMANS BASIN SUPPLY CANAL ABOVE RESERVOIR NUMBER 40A 08080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 164 | 136 | 49 | 12 | 25 | | | |
| 2 | | | | 0 | 148 | 136 | 47 | 23 | 25 | | | |
| 3 | | | | 74 | 128 | 128 | 49 | 39 | 23 | | | |
| 4 | | | | 72 | 85 | 117 | 52 | 41 | 27 | | | |
| 5 | | | | 69 | 148 | 107 | 52 | 77 | 27 | | | |
| 6 | | | | 74 | 132 | 107 | 52 | 91 | 27 | | | |
| 7 | | | | 79 | 140 | 110 | 49 | 82 | 31 | | | |
| 8 | | | | 79 | 148 | 107 | 49 | 82 | 35 | | | |
| 9 | | | | 79 | 156 | 103 | 52 | 88 | 35 | | | |
| 10 | | | | 77 | 198 | 103 | 47 | 85 | 39 | | | |
| 11 | | | | 77 | 208 | 110 | 43 | 82 | 35 | | | |
| 12 | | | | 94 | 203 | 110 | 45 | 79 | 35 | | | |
| 13 | | | | 128 | 208 | 114 | 43 | 74 | 37 | | | |
| 14 | | | | 136 | 208 | 121 | 41 | 64 | 37 | | | |
| 15 | | | | 168 | 203 | 128 | 39 | 57 | 39 | | | |
| 16 | | | | 180 | 164 | 128 | 39 | 57 | 41 | | | |
| 17 | | | | 176 | 160 | 132 | 41 | 52 | 37 | | | |
| 18 | | | | 172 | 140 | 132 | 41 | 54 | 33 | | | |
| 19 | | | | 168 | 132 | 128 | 41 | 49 | 33 | | | |
| 20 | | | | 164 | 132 | 124 | 41 | 45 | 33 | | | |
| 21 | | | | 160 | 128 | 121 | 41 | 43 | 33 | | | |
| 22 | | | | 156 | 132 | 128 | 39 | 41 | 33 | | | |
| 23 | | | | 156 | 132 | 132 | 37 | 37 | 33 | | | |
| 24 | | | | 152 | 128 | 124 | 35 | 35 | 59 | | | |
| 25 | | | | 148 | 128 | 117 | 33 | 37 | 88 | | | |
| 26 | | | | 152 | 128 | 72 | 29 | 39 | 94 | | | |
| 27 | | | | 176 | 121 | 62 | 18 | 33 | 110 | | | |
| 28 | | | | 160 | 114 | 62 | 14 | 33 | 114 | | | |
| 29 | | | | 132 | 103 | 62 | 12 | 33 | 100 | | | |
| 30 | | ------ | | 152 | 103 | 57 | 4.5 | 31 | 97 | | | |
| 31 | | ------ | | ------ | 107 | ------ | 0 | 29 | ------ | | ------ | |
| TOTAL | | | | 3,610 | 4,529 | 3,318 | 1,174.5 | 1,624 | 1,415 | | | |
| MEAN | | | | 120 | 146 | 111 | 37.9 | 52.4 | 47.2 | | | |
| MAX | | | | 180 | 208 | 136 | 52 | 91 | 114 | | | |
| MIN | | | | 0 | 85 | 57 | 0 | 12 | 23 | | | |
| AC-FT | | | | 7,160 | 8,980 | 6,580 | 2,330 | 3,220 | 2,810 | | | |

40A 09000 Careless Creek Canal Below Reservoir near Shawmut, MT

LOCATION -- Lat 46° 20' 20", long 109° 24' 00", in NW¼ SW¼ NW¼ Sec. 30, T. 7 N., R. 19 E., Golden Valley County, on left bank 300 ft (91.4 m) downstream from headgate structure, 0.1 mi (0.16 km) downstream from dam, 7.2 mi (11.6 km) upstream from tail end structure at Careless Creek which is at river mile 15.5 (24.9 km) from mouth of Careless Creek which is at river mile266.1 (428.2 km), 6 mi (9.7 km) east of Shawmut.

DRAINAGE AREA -- Above dam at reservoir 1,513 sq. mi (3,919 sq. km).

GAGE -- Water stage recorder. Altitude of gage 3,970 ft (1,210 m) from topography map.

AVERAGE DISCHARGE -- 1962 to 1976 - 24,800 AF/season (30.5 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 279 $ft^3/s$ (7.90 $m^3/s$), July 10, 1963. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 67 | 174 | 94 | | | |
| 2 | | | | | | 0 | 70 | 174 | 91 | | | |
| 3 | | | | | | 0 | 69 | 174 | 94 | | | |
| 4 | | | | | | 0 | 71 | 153 | 94 | | | |
| 5 | | | | | | 0 | 135 | 133 | 91 | | | |
| 6 | | | | | | 0 | 173 | 133 | 91 | | | |
| 7 | | | | | | 0 | 173 | 133 | 89 | | | |
| 8 | | | | | | 0 | 169 | 133 | 89 | | | |
| 9 | | | | | | 0 | 168 | 133 | 89 | | | |
| 10 | | | | | | 0 | 166 | 133 | 89 | | | |
| 11 | | | | | | 0 | 165 | 118 | 87 | | | |
| 12 | | | | | | 0 | 167 | 98 | 87 | | | |
| 13 | | | | | | 0 | 169 | 99 | 56 | | | |
| 14 | | | | | | 0 | 170 | 99 | 25 | | | |
| 15 | | | | | | 0 | 137 | 99 | 25 | | | |
| 16 | | | | | | 0 | 62 | 107 | 25 | | | |
| 17 | | | | | | 0 | 68 | 113 | 27 | | | |
| 18 | | | | | | 0 | 66 | 108 | 46 | | | |
| 19 | | | | | | 0 | 68 | 108 | 54 | | | |
| 20 | | | | | | 0 | 70 | 108 | 54 | | | |
| 21 | | | | | | 0 | 72 | 110 | 54 | | | |
| 22 | | | | | | 0 | 69 | 108 | 54 | | | |
| 23 | | | | | | 0 | 66 | 111 | 54 | | | |
| 24 | | | | | | 0 | 70 | 111 | 46 | | | |
| 25 | | | | | | 0 | 102 | 109 | 41 | | | |
| 26 | | | | | | 0 | 127 | 109 | 39 | | | |
| 27 | | | | | | 55 | 139 | 98 | 38 | | | |
| 28 | | | | | | 127 | 136 | 93 | 41 | | | |
| 29 | | ------ | | | | 124 | 136 | 95 | 39 | | | |
| 30 | | ------ | | | | 86 | 139 | 95 | 39 | | | |
| 31 | | ------ | | ------ | | ------ | 142 | 95 | ------ | | ------ | |
| TOTAL | | | | | | 392 | 3,601 | 3,664 | 1,842 | | | |
| MEAN | | | | | | 13.1 | 116 | 118 | 61.4 | | | |
| MAX | | | | | | 127 | 173 | 174 | 94 | | | |
| MIN | | | | | | 0 | 62 | 93 | 25 | | | |
| AC-FT | | | | | | 778 | 7,140 | 7,270 | 3,650 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 17 | 55 | 173 | | | | |
| 2 | | | | | | 17 | 59 | 173 | | | | |
| 3 | | | | | | 17 | 59 | 173 | | | | |
| 4 | | | | | | 17 | 64 | 173 | | | | |
| 5 | | | | | | 17 | 64 | 173 | | | | |
| 6 | | | | | | 17 | 64 | 173 | | | | |
| 7 | | | | | | 21 | 64 | 168 | | | | |
| 8 | | | | | | 21 | 82 | 173 | | | | |
| 9 | | | | | | 21 | 144 | 168 | | | | |
| 10 | | | | | | 21 | 279 | 233 | | | | |
| 11 | | | | | | 21 | 262 | 269 | | | | |
| 12 | | | | | | 25 | 254 | 244 | | | | |
| 13 | | | | | | 25 | 264 | 229 | | | | |
| 14 | | | | | | 25 | 244 | 229 | | | | |
| 15 | | | | | | 25 | 198 | 229 | | | | |
| 16 | | | | | | 25 | 163 | 229 | | | | |
| 17 | | | | | | 29 | 163 | 229 | | | | |
| 18 | | | | | | 29 | 163 | 229 | | | | |
| 19 | | | | | | 20 | 163 | 229 | | | | |
| 20 | | | | | | 13 | 163 | 223 | | | | |
| 21 | | | | | | 13 | 163 | 223 | | | | |
| 22 | | | | | | 17 | 163 | 223 | | | | |
| 23 | | | | | | 42 | 163 | 223 | | | | |
| 24 | | | | | | 46 | 173 | 193 | | | | |
| 25 | | | | | | 42 | 173 | 139 | | | | |
| 26 | | | | | | 33 | 173 | 139 | | | | |
| 27 | | | | | | 25 | 173 | 144 | | | | |
| 28 | | | | | | 29 | 173 | 124 | | | | |
| 29 | | ------ | | | | 33 | 173 | 106 | | | | |
| 30 | | ------ | | | | 38 | 173 | 106 | | | | |
| 31 | | ------ | | ------ | | ------ | 173 | 106 | ------ | | ------ | |
| TOTAL | | | | | | 741 | 4,844 | 5,845 | | | | |
| MEAN | | | | | | 24.7 | 156 | 189 | | | | |
| MAX | | | | | | 46 | 279 | 269 | | | | |
| MIN | | | | | | 13 | 55 | 106 | | | | |
| AC-FT | | | | | | 1,470 | 9,610 | 11,590 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 115 | 0 | 259 | | | | |
| 2 | | | | | | 115 | 0 | 259 | | | | |
| 3 | | | | | | 115 | 0 | 259 | | | | |
| 4 | | | | | | 115 | 0 | 259 | | | | |
| 5 | | | | | | 115 | 0 | 259 | | | | |
| 6 | | | | | | 115 | 0 | 259 | | | | |
| 7 | | | | | | 115 | 17 | 254 | | | | |
| 8 | | | | | | 112 | 50 | 254 | | | | |
| 9 | | | | | | 40 | 59 | 254 | | | | |
| 10 | | | | | | 0 | 86 | 254 | | | | |
| 11 | | | | | | 0 | 153 | 254 | | | | |
| 12 | | | | | | 0 | 153 | 254 | | | | |
| 13 | | | | | | 0 | 213 | 254 | | | | |
| 14 | | | | | | 0 | 244 | 254 | | | | |
| 15 | | | | | | 0 | 244 | 254 | | | | |
| 16 | | | | | | 0 | 244 | 254 | | | | |
| 17 | | | | | | 0 | 228 | 254 | | | | |
| 18 | | | | | | 0 | 223 | 249 | | | | |
| 19 | | | | | | 0 | 231 | 249 | | | | |
| 20 | | | | | | 0 | 231 | 218 | | | | |
| 21 | | | | | | 0 | 249 | 183 | | | | |
| 22 | | | | | | 0 | 264 | 188 | | | | |
| 23 | | | | | | 0 | 264 | 188 | | | | |
| 24 | | | | | | 0 | 264 | 188 | | | | |
| 25 | | | | | | 0 | 264 | 188 | | | | |
| 26 | | | | | | 0 | 264 | 183 | | | | |
| 27 | | | | | | 0 | 259 | 183 | | | | |
| 28 | | | | | | 0 | 259 | 178 | | | | |
| 29 | | | | | | 0 | 259 | 153 | | | | |
| 30 | | ------ | | | | 0 | 259 | 153 | | | | |
| 31 | | ------ | | ------ | | ------ | 259 | 153 | ------ | | ------ | |
| TOTAL | | | | | | 957 | 5,240 | 7,002 | | | | |
| MEAN | | | | | | 31.9 | 169 | 226 | | | | |
| MAX | | | | | | 115 | 264 | 259 | | | | |
| MIN | | | | | | 0 | 0 | 153 | | | | |
| AC-FT | | | | | | 1,900 | 10,390 | 13,890 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 0 | 144 | 68 | | | |
| 2 | | | | | | 0 | 0 | 144 | 68 | | | |
| 3 | | | | | | 0 | 0 | 144 | 68 | | | |
| 4 | | | | | | 0 | 0 | 144 | 68 | | | |
| 5 | | | | | | 0 | 0 | 144 | 68 | | | |
| 6 | | | | | | 0 | 0 | 144 | 68 | | | |
| 7 | | | | | | 0 | 0 | 144 | 73 | | | |
| 8 | | | | | | 0 | 0 | 144 | 73 | | | |
| 9 | | | | | | 0 | 0 | 144 | 73 | | | |
| 10 | | | | | | 33 | 0 | 115 | 73 | | | |
| 11 | | | | | | 33 | 0 | 111 | 73 | | | |
| 12 | | | | | | 38 | 0 | 111 | 73 | | | |
| 13 | | | | | | 46 | 0 | 111 | 73 | | | |
| 14 | | | | | | 46 | 0 | 111 | 29 | | | |
| 15 | | | | | | 50 | 0 | 111 | 0 | | | |
| 16 | | | | | | 50 | 21 | 111 | 0 | | | |
| 17 | | | | | | 50 | 38 | 111 | 0 | | | |
| 18 | | | | | | 33 | 38 | 111 | 0 | | | |
| 19 | | | | | | 0 | 38 | 111 | 0 | | | |
| 20 | | | | | | 0 | 50 | 111 | 0 | | | |
| 21 | | | | | | 0 | 124 | 115 | 0 | | | |
| 22 | | | | | | 0 | 244 | 111 | 0 | | | |
| 23 | | | | | | 0 | 244 | 111 | 6.0 | | | |
| 24 | | | | | | 0 | 229 | 111 | 6.0 | | | |
| 25 | | | | | | 0 | 183 | 115 | 6.0 | | | |
| 26 | | | | | | 0 | 183 | 111 | 6.0 | | | |
| 27 | | | | | | 0 | 178 | 91 | 6.0 | | | |
| 28 | | | | | | 0 | 168 | 68 | 6.0 | | | |
| 29 | | ------ | | | | 0 | 149 | 68 | 6.0 | | | |
| 30 | | ------ | | | | 0 | 149 | 68 | 6.0 | | | |
| 31 | | ------ | | ------ | | ------ | 149 | 68 | ------ | | ------ | |
| TOTAL | | | | | | 379 | 2,185 | 3,558 | 996.0 | | | |
| MEAN | | | | | | 12.6 | 70.5 | 115 | 33.2 | | | |
| MAX | | | | | | 50 | 244 | 144 | 73 | | | |
| MIN | | | | | | 0 | 0 | 68 | 0 | | | |
| AC-FT | | | | | | 752 | 4,330 | 7,060 | 1,980 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 17 | 101 | 101 | 198 | 115 | | | |
| 2 | | | | | 17 | 101 | 101 | 203 | 120 | | | |
| 3 | | | | | 73 | 50 | 101 | 203 | 124 | | | |
| 4 | | | | | 218 | 17 | 101 | 203 | 124 | | | |
| 5 | | | | | 203 | 21 | 101 | 198 | 124 | | | |
| 6 | | | | | 193 | 17 | 101 | 203 | 124 | | | |
| 7 | | | | | 163 | 17 | 101 | 188 | 124 | | | |
| 8 | | | | | 14 | 17 | 101 | 163 | 120 | | | |
| 9 | | | | | 14 | 17 | 96 | 158 | 111 | | | |
| 10 | | | | | 17 | 38 | 101 | 158 | 111 | | | |
| 11 | | | | | 17 | 59 | 101 | 158 | 101 | | | |
| 12 | | | | | 14 | 59 | 101 | 158 | 82 | | | |
| 13 | | | | | 5.0 | 59 | 101 | 158 | 82 | | | |
| 14 | | | | | 0 | 59 | 101 | 158 | 82 | | | |
| 15 | | | | | 0 | 59 | 101 | 158 | 82 | | | |
| 16 | | | | | 0 | 59 | 101 | 158 | 82 | | | |
| 17 | | | | | 0 | 59 | 101 | 158 | 82 | | | |
| 18 | | | | | 0 | 59 | 101 | 163 | 82 | | | |
| 19 | | | | | 0 | 59 | 101 | 158 | 82 | | | |
| 20 | | | | | 0 | 59 | 101 | 158 | 82 | | | |
| 21 | | | | | 0 | 59 | 101 | 158 | 82 | | | |
| 22 | | | | | 0 | 59 | 101 | 163 | 82 | | | |
| 23 | | | | | 0 | 59 | 129 | 163 | 82 | | | |
| 24 | | | | | 0 | 59 | 158 | 163 | 82 | | | |
| 25 | | | | | 0 | 55 | 158 | 158 | 82 | | | |
| 26 | | | | | 0 | 82 | 163 | 163 | 82 | | | |
| 27 | | | | | 17 | 101 | 158 | 163 | 82 | | | |
| 28 | | | | | 42 | 101 | 158 | 134 | 82 | | | |
| 29 | | ------ | | | 59 | 101 | 178 | 111 | 82 | | | |
| 30 | | ------ | | | 101 | 101 | 203 | 111 | 82 | | | |
| 31 | | ------ | | ------ | 101 | ------ | 203 | 115 | ------ | | ------ | |
| TOTAL | | | | | 1,285.0 | 1,763 | 3,725 | 5,062 | 2,856 | | | |
| MEAN | | | | | 41.5 | 58.8 | 120 | 163 | 95.2 | | | |
| MAX | | | | | 218 | 101 | 203 | 203 | 124 | | | |
| MIN | | | | | 0 | 17 | 96 | 111 | 82 | | | |
| AC-FT | | | | | 2,550 | 3,500 | 7,390 | 10,040 | 5,660 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 108 | 135 | | | |
| 2 | | | | | | | 0 | 132 | 135 | | | |
| 3 | | | | | | | 0 | 145 | 135 | | | |
| 4 | | | | | | | 33 | 145 | 117 | | | |
| 5 | | | | | | | 33 | 145 | 88 | | | |
| 6 | | | | | | | 33 | 145 | 89 | | | |
| 7 | | | | | | | 35 | 145 | 91 | | | |
| 8 | | | | | | | 35 | 145 | 91 | | | |
| 9 | | | | | | | 35 | 149 | 91 | | | |
| 10 | | | | | | | 35 | 132 | 91 | | | |
| 11 | | | | | | | 37 | 132 | 91 | | | |
| 12 | | | | | | | 37 | 135 | 71 | | | |
| 13 | | | | | | | 37 | 135 | 51 | | | |
| 14 | | | | | | | 37 | 135 | 51 | | | |
| 15 | | | | | | | 37 | 135 | 51 | | | |
| 16 | | | | | | | 37 | 132 | 51 | | | |
| 17 | | | | | | | 37 | 135 | 51 | | | |
| 18 | | | | | | | 37 | 135 | 51 | | | |
| 19 | | | | | | | 37 | 135 | 51 | | | |
| 20 | | | | | | | 39 | 135 | 51 | | | |
| 21 | | | | | | | 39 | 135 | 51 | | | |
| 22 | | | | | | | 53 | 135 | 51 | | | |
| 23 | | | | | | | 55 | 135 | 51 | | | |
| 24 | | | | | | | 55 | 135 | 51 | | | |
| 25 | | | | | | | 53 | 135 | 51 | | | |
| 26 | | | | | | | 51 | 135 | 51 | | | |
| 27 | | | | | | | 53 | 135 | 53 | | | |
| 28 | | | | | | | 78 | 135 | 51 | | | |
| 29 | | ------ | | | | | 108 | 135 | 51 | | | |
| 30 | | ------ | | | | | 108 | 135 | 53 | | | |
| 31 | | ------ | | ------ | | ------ | 108 | 135 | ------ | | ------ | |
| TOTAL | | | | | | 0 | 1,372 | 4,220 | 2,146 | | | |
| MEAN | | | | | | 0 | 44.3 | 136 | 71.5 | | | |
| MAX | | | | | | 0 | 108 | 149 | 135 | | | |
| MIN | | | | | | 0 | 0 | 108 | 51 | | | |
| AC-FT | | | | | | 0 | 2,720 | 8,370 | 4,260 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 49 | 55 | 61 | 64 | 147 | 127 | | | |
| 2 | | | | 49 | 55 | 61 | 66 | 147 | 118 | | | |
| 3 | | | | 49 | 55 | 63 | 66 | 147 | 89 | | | |
| 4 | | | | 49 | 55 | 61 | 66 | 147 | 89 | | | |
| 5 | | | | 49 | 55 | 57 | 66 | 151 | 92 | | | |
| 6 | | | | 49 | 54 | 58 | 67 | 211 | 94 | | | |
| 7 | | | | 49 | 54 | 58 | 66 | 206 | 94 | | | |
| 8 | | | | 49 | 55 | 58 | 67 | 206 | 99 | | | |
| 9 | | | | 49 | 54 | 60 | 67 | 206 | 99 | | | |
| 10 | | | | 49 | 54 | 58 | 67 | 206 | 97 | | | |
| 11 | | | | 49 | 54 | 58 | 67 | 206 | 97 | | | |
| 12 | | | | 49 | 54 | 60 | 67 | 201 | 94 | | | |
| 13 | | | | 49 | 54 | 60 | 67 | 201 | 89 | | | |
| 14 | | | | 49 | 54 | 60 | 155 | 201 | 89 | | | |
| 15 | | | | 49 | 54 | 60 | 151 | 201 | 89 | | | |
| 16 | | | | 49 | 54 | 61 | 151 | 201 | 89 | | | |
| 17 | | | | 49 | 54 | 61 | 151 | 201 | 89 | | | |
| 18 | | | | 49 | 54 | 61 | 147 | 196 | 92 | | | |
| 19 | | | | 49 | 54 | 61 | 147 | 196 | 92 | | | |
| 20 | | | | 49 | 54 | 61 | 151 | 196 | 92 | | | |
| 21 | | | | 82 | 55 | 61 | 151 | 186 | 92 | | | |
| 22 | | | | 124 | 58 | 61 | 151 | 186 | 92 | | | |
| 23 | | | | 124 | 60 | 63 | 151 | 173 | 92 | | | |
| 24 | | | | 121 | 60 | 63 | 151 | 124 | 92 | | | |
| 25 | | | | 121 | 60 | 63 | 151 | 124 | 92 | | | |
| 26 | | | | 118 | 60 | 63 | 151 | 124 | 92 | | | |
| 27 | | | | 118 | 60 | 63 | 151 | 124 | 92 | | | |
| 28 | | | | 115 | 60 | 63 | 151 | 124 | 75 | | | |
| 29 | | | | 94 | 61 | 64 | 147 | 124 | 0 | | | |
| 30 | | ------ | | 69 | 60 | 64 | 147 | 124 | 0 | | | |
| 31 | | ------ | | ------ | 61 | ------ | 147 | 124 | ------ | | ------ | |
| TOTAL | | | | 2,066 | 1,741 | 1,826 | 3,565 | 5,311 | 2,629 | | | |
| MEAN | | | | 68.9 | 56.2 | 60.9 | 115 | 171 | 87.6 | | | |
| MAX | | | | 124 | 61 | 64 | 155 | 211 | 127 | | | |
| MIN | | | | 49 | 54 | 57 | 64 | 124 | 0 | | | |
| AC-FT | | | | 4,100 | 3,450 | 3,620 | 7,070 | 10,530 | 5,210 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 226 | 42 | 129 | 173 | | | |
| 2 | | | | | | 226 | 42 | 140 | 173 | | | |
| 3 | | | | | | 221 | 0 | 140 | 168 | | | |
| 4 | | | | | | 221 | 0 | 151 | 196 | | | |
| 5 | | | | | | 221 | 0 | 226 | 168 | | | |
| 6 | | | | | | 221 | 0 | 221 | 168 | | | |
| 7 | | | | | | 206 | 42 | 221 | 164 | | | |
| 8 | | | | | | 173 | 45 | 226 | 164 | | | |
| 9 | | | | | | 173 | 44 | 216 | 155 | | | |
| 10 | | | | | | 177 | 44 | 177 | 159 | | | |
| 11 | | | | | | 173 | 44 | 177 | 159 | | | |
| 12 | | | | | | 173 | 43 | 173 | 159 | | | |
| 13 | | | | | | 173 | 43 | 173 | 164 | | | |
| 14 | | | | | | 173 | 43 | 164 | 147 | | | |
| 15 | | | | | | 147 | 43 | 159 | 116 | | | |
| 16 | | | | | | 116 | 43 | 159 | 116 | | | |
| 17 | | | | | | 116 | 43 | 168 | 113 | | | |
| 18 | | | | | | 116 | 43 | 168 | 113 | | | |
| 19 | | | | | | 113 | 44 | 168 | 113 | | | |
| 20 | | | | | | 110 | 44 | 164 | 113 | | | |
| 21 | | | | | | 110 | 45 | 164 | 110 | | | |
| 22 | | | | | | 110 | 47 | 164 | 110 | | | |
| 23 | | | | | | 110 | 61 | 164 | 110 | | | |
| 24 | | | | | | 110 | 54 | 159 | 101 | | | |
| 25 | | | | | | 93 | 60 | 155 | 98 | | | |
| 26 | | | | | | 47 | 58 | 159 | 93 | | | |
| 27 | | | | | | 46 | 60 | 155 | 88 | | | |
| 28 | | | | | | 44 | 47 | 164 | 60 | | | |
| 29 | | ------ | | | | 43 | 60 | 168 | 45 | | | |
| 30 | | ------ | | | | 43 | 126 | 168 | 44 | | | |
| 31 | | ------ | | ------ | | ------ | 126 | 173 | ------ | | ------ | |
| TOTAL | | | | | | 4,231 | 1,436 | 5,313 | 3,850 | | | |
| MEAN | | | | | | 141 | 46.3 | 171 | 128 | | | |
| MAX | | | | | | 226 | 126 | 226 | 186 | | | |
| MIN | | | | | | 43 | 0 | 129 | 44 | | | |
| AC-FT | | | | | | 8,390 | 2,850 | 10,540 | 7,640 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 75 | 176 | 159 | | | |
| 2 | | | | | | | 77 | 176 | 159 | | | |
| 3 | | | | | | | 80 | 176 | 159 | | | |
| 4 | | | | | | | 82 | 176 | 159 | | | |
| 5 | | | | | | | 82 | 176 | 147 | | | |
| 6 | | | | | | | 86 | 176 | 147 | | | |
| 7 | | | | | | | 122 | 181 | 143 | | | |
| 8 | | | | | | | 125 | 181 | 147 | | | |
| 9 | | | | | | | 167 | 181 | 143 | | | |
| 10 | | | | | | | 181 | 181 | 143 | | | |
| 11 | | | | | | | 253 | 181 | 135 | | | |
| 12 | | | | | | | 253 | 181 | 67 | | | |
| 13 | | | | | | | 205 | 181 | 34 | | | |
| 14 | | | | | | | 181 | 181 | 33 | | | |
| 15 | | | | | | | 181 | 176 | 32 | | | |
| 16 | | | | | | | 181 | 176 | 32 | | | |
| 17 | | | | | | | 181 | 176 | 31 | | | |
| 18 | | | | | | | 176 | 176 | 31 | | | |
| 19 | | | | | | | 181 | 181 | 31 | | | |
| 20 | | | | | | | 181 | 176 | 31 | | | |
| 21 | | | | | | | 181 | 176 | 31 | | | |
| 22 | | | | | | | 181 | 176 | 31 | | | |
| 23 | | | | | | | 181 | 172 | 30 | | | |
| 24 | | | | | | | 181 | 172 | 30 | | | |
| 25 | | | | | | | 181 | 172 | 32 | | | |
| 26 | | | | | | | 176 | 167 | 34 | | | |
| 27 | | | | | | | 176 | 167 | 35 | | | |
| 28 | | | | | | | 172 | 167 | 36 | | | |
| 29 | | ------ | | | | | 172 | 163 | 36 | | | |
| 30 | | ------ | | | | | 176 | 163 | 36 | | | |
| 31 | | ------ | | ------ | | ------ | 176 | 163 | ------ | | ------ | |
| TOTAL | | | | | | | 5,003 | 5,423 | 2,294 | | | |
| MEAN | | | | | | | 161 | 175 | 76.5 | | | |
| MAX | | | | | | | 253 | 181 | 159 | | | |
| MIN | | | | | | | 75 | 163 | 30 | | | |
| AC-FT | | | | | | | 9,920 | 10,760 | 4,550 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 14 | 8.0 | 100 | 144 | 136 | 80 | 74 | | |
| 2 | | | | 14 | 8.0 | 100 | 104 | 136 | 84 | 74 | | |
| 3 | | | | 14 | 8.0 | 100 | 108 | 136 | 88 | 52 | | |
| 4 | | | | 14 | 8.0 | 100 | 108 | 132 | 88 | 11 | | |
| 5 | | | | 14 | 8.0 | 96 | 108 | 128 | 84 | 11 | | |
| 6 | | | | 14 | 8.0 | 104 | 108 | 128 | 88 | 14 | | |
| 7 | | | | 14 | 8.0 | 104 | 108 | 128 | 80 | 14 | | |
| 8 | | | | 14 | 5.0 | 108 | 112 | 132 | 56 | 14 | | |
| 9 | | | | 14 | 8.0 | 108 | 120 | 132 | 60 | 11 | | |
| 10 | | | | 14 | 11 | 112 | 124 | 132 | 60 | 11 | | |
| 11 | | | | 14 | 26 | 112 | 132 | 132 | 60 | 8.0 | | |
| 12 | | | | 14 | 26 | 112 | 164 | 128 | 60 | 8.0 | | |
| 13 | | | | 14 | 26 | 112 | 160 | 124 | 56 | 8.0 | | |
| 14 | | | | 14 | 26 | 108 | 164 | 124 | 52 | 8.0 | | |
| 15 | | | | 14 | 26 | 35 | 168 | 124 | 56 | 8.0 | | |
| 16 | | | | 14 | 26 | 35 | 196 | 120 | 52 | 8.0 | | |
| 17 | | | | 14 | 29 | 35 | 196 | 120 | 52 | 5.0 | | |
| 18 | | | | 14 | 29 | 35 | 191 | 120 | 52 | 5.0 | | |
| 19 | | | | 14 | 29 | 35 | 191 | 120 | 29 | 5.0 | | |
| 20 | | | | 14 | 29 | 35 | 191 | 116 | 14 | 5.0 | | |
| 21 | | | | 14 | 29 | 32 | 191 | 116 | 11 | 5.0 | | |
| 22 | | | | 14 | 32 | 60 | 191 | 116 | 14 | 5.0 | | |
| 23 | | | | 14 | 32 | 140 | 191 | 116 | 14 | 5.0 | | |
| 24 | | | | 14 | 32 | 152 | 173 | 112 | 17 | 5.0 | | |
| 25 | | | | 14 | 32 | 191 | 144 | 112 | 42 | 0 | | |
| 26 | | | | 11 | 23 | 196 | 140 | 112 | 70 | 0 | | |
| 27 | | | | 11 | 74 | 200 | 144 | 112 | 70 | 0 | | |
| 28 | | | | 11 | 209 | 200 | 144 | 112 | 74 | 0 | | |
| 29 | | ------ | | 11 | 204 | 200 | 144 | 112 | 74 | 0 | | |
| 30 | | ------ | | 8.0 | 204 | 200 | 144 | 116 | 77 | 0 | | |
| 31 | | ------ | | ------ | 164 | ------ | 136 | 108 | ------ | 0 | ------ | |
| TOTAL | | | | 402.0 | 1,387.0 | 3,257 | 4,639 | 3,792 | 1,714 | 374.0 | | |
| MEAN | | | | 13.4 | 44.7 | 109 | 150 | 122 | 57.1 | 12.1 | | |
| MAX | | | | 14 | 209 | 200 | 196 | 136 | 88 | 74 | | |
| MIN | | | | 8.0 | 5.0 | 32 | 104 | 108 | 11 | 0 | | |
| AC-FT | | | | 797 | 2,750 | 6,460 | 9,200 | 7,520 | 3,400 | 742 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 116 | 42 | 152 | 108 | 56 | | | |
| 2 | | | | 0 | 120 | 42 | 169 | 108 | 56 | | | |
| 3 | | | | 0 | 120 | 42 | 187 | 108 | 56 | | | |
| 4 | | | | 0 | 120 | 39 | 191 | 108 | 56 | | | |
| 5 | | | | 0 | 120 | 39 | 187 | 108 | 56 | | | |
| 6 | | | | 0 | 77 | 74 | 191 | 108 | 53 | | | |
| 7 | | | | 0 | 53 | 100 | 187 | 108 | 60 | | | |
| 8 | | | | 0 | 53 | 104 | 187 | 108 | 60 | | | |
| 9 | | | | 0 | 53 | 100 | 182 | 108 | 56 | | | |
| 10 | | | | 0 | 53 | 96 | 182 | 108 | 56 | | | |
| 11 | | | | 0 | 53 | 96 | 178 | 108 | 56 | | | |
| 12 | | | | 0 | 49 | 96 | 173 | 112 | 56 | | | |
| 13 | | | | 0 | 49 | 92 | 173 | 112 | 56 | | | |
| 14 | | | | 0 | 49 | 96 | 173 | 112 | 60 | | | |
| 15 | | | | 0 | 53 | 92 | 182 | 100 | 67 | | | |
| 16 | | | | 0 | 70 | 96 | 218 | 56 | 70 | | | |
| 17 | | | | 0 | 70 | 96 | 218 | 56 | 77 | | | |
| 18 | | | | 0 | 70 | 96 | 214 | 53 | 46 | | | |
| 19 | | | | 0 | 56 | 96 | 214 | 53 | 8.0 | | | |
| 20 | | | | 0 | 42 | 100 | 214 | 56 | 8.0 | | | |
| 21 | | | | 0 | 42 | 100 | 205 | 56 | 14 | | | |
| 22 | | | | 0 | 42 | 104 | 160 | 56 | 11 | | | |
| 23 | | | | 0 | 42 | 104 | 160 | 56 | 11 | | | |
| 24 | | | | 0 | 29 | 108 | 160 | 56 | 11 | | | |
| 25 | | | | 0 | 26 | 104 | 160 | 56 | 14 | | | |
| 26 | | | | 0 | 14 | 108 | 156 | 56 | 14 | | | |
| 27 | | | | 0 | 14 | 104 | 120 | 56 | 11 | | | |
| 28 | | | | 0 | 14 | 116 | 116 | 56 | 11 | | | |
| 29 | | | | 72 | 17 | 148 | 116 | 53 | 11 | | | |
| 30 | | ------ | | 116 | 17 | 152 | 116 | 53 | 11 | | | |
| 31 | | ------ | | ------ | 26 | ------ | 108 | 56 | ------ | | ------ | |
| TOTAL | | | | 188 | 1,729 | 2,782 | 5,349 | 2,508 | 1,188.0 | | | |
| MEAN | | | | 6.27 | 55.8 | 92.7 | 173 | 80.9 | 39.6 | | | |
| MAX | | | | 116 | 120 | 152 | 218 | 112 | 77 | | | |
| MIN | | | | 0 | 14 | 39 | 108 | 53 | 8.0 | | | |
| AC-FT | | | | 373 | 3,430 | 5,520 | 10,610 | 4,970 | 2,360 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 104 | 108 | 92 | 32 | | | |
| 2 | | | | | 0 | 128 | 108 | 92 | 32 | | | |
| 3 | | | | | 0 | 128 | 108 | 92 | 32 | | | |
| 4 | | | | | 0 | 128 | 108 | 92 | 32 | | | |
| 5 | | | | | 0 | 132 | 140 | 88 | 35 | | | |
| 6 | | | | | 0 | 132 | 173 | 74 | 35 | | | |
| 7 | | | | | 0 | 136 | 200 | 63 | 26 | | | |
| 8 | | | | | 0 | 132 | 187 | 56 | 29 | | | |
| 9 | | | | | 0 | 128 | 164 | 63 | 26 | | | |
| 10 | | | | | 0 | 128 | 160 | 63 | 29 | | | |
| 11 | | | | | 6.4 | 128 | 160 | 63 | 29 | | | |
| 12 | | | | | 49 | 112 | 182 | 60 | 29 | | | |
| 13 | | | | | 49 | 81 | 196 | 63 | 29 | | | |
| 14 | | | | | 49 | 81 | 227 | 60 | 29 | | | |
| 15 | | | | | 49 | 81 | 227 | 60 | 11 | | | |
| 16 | | | | | 49 | 81 | 223 | 56 | 0 | | | |
| 17 | | | | | 49 | 81 | 223 | 56 | 0 | | | |
| 18 | | | | | 96 | 77 | 223 | 56 | 0 | | | |
| 19 | | | | | 128 | 81 | 214 | 53 | 0 | | | |
| 20 | | | | | 132 | 56 | 164 | 56 | 0 | | | |
| 21 | | | | | 132 | 42 | 164 | 60 | 0 | | | |
| 22 | | | | | 132 | 42 | 164 | 53 | 0 | | | |
| 23 | | | | | 124 | 39 | 160 | 49 | 0 | | | |
| 24 | | | | | 92 | 39 | 160 | 39 | 0 | | | |
| 25 | | | | | 92 | 39 | 156 | 26 | 0 | | | |
| 26 | | | | | 92 | 53 | 156 | 32 | 0 | | | |
| 27 | | | | | 92 | 136 | 124 | 32 | 0 | | | |
| 28 | | | | | 92 | 132 | 26 | 29 | 0 | | | |
| 29 | | ------ | | | 92 | 136 | 32 | 8.0 | 0 | | | |
| 30 | | ------ | | | 92 | 120 | 70 | 0 | 0 | | | |
| 31 | | ------ | | ------ | 92 | ------ | 92 | 29 | ------ | | ------ | |
| TOTAL | | | | | 1,780.4 | 2,913 | 4,799 | 1,715.0 | 435 | | | |
| MEAN | | | | | 57.4 | 97.1 | 155 | 55.3 | 14.5 | | | |
| MAX | | | | | 132 | 136 | 227 | 92 | 35 | | | |
| MIN | | | | | 0 | 39 | 26 | 0 | 0 | | | |
| AC-FT | | | | | 3,530 | 5,780 | 9,520 | 3,400 | 863 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 49 | 3.0 | 120 | 169 | 77 | | | |
| 2 | | | | | 53 | 3.0 | 156 | 164 | 77 | | | |
| 3 | | | | | 56 | 3.0 | 144 | 164 | 77 | | | |
| 4 | | | | | 56 | 3.0 | 144 | 164 | 77 | | | |
| 5 | | | | | 49 | 3.0 | 128 | 169 | 70 | | | |
| 6 | | | | | 49 | 11 | 100 | 169 | 49 | | | |
| 7 | | | | | 45 | 29 | 73 | 169 | 53 | | | |
| 8 | | | | | 42 | 39 | 81 | 169 | 53 | | | |
| 9 | | | | | 73 | 39 | 77 | 169 | 53 | | | |
| 10 | | | | | 81 | 39 | 73 | 164 | 53 | | | |
| 11 | | | | | 77 | 42 | 73 | 164 | 53 | | | |
| 12 | | | | | 73 | 42 | 70 | 104 | 49 | | | |
| 13 | | | | | 73 | 42 | 88 | 63 | 53 | | | |
| 14 | | | | | 77 | 42 | 104 | 84 | 53 | | | |
| 15 | | | | | 88 | 42 | 104 | 84 | 53 | | | |
| 16 | | | | | 88 | 42 | 108 | 84 | 53 | | | |
| 17 | | | | | 67 | 35 | 120 | 84 | 53 | | | |
| 18 | | | | | 35 | 49 | 173 | 81 | 53 | | | |
| 19 | | | | | 35 | 70 | 177 | 81 | 52 | | | |
| 20 | | | | | 35 | 81 | 182 | 81 | 52 | | | |
| 21 | | | | | 35 | 84 | 177 | 81 | 52 | | | |
| 22 | | | | | 35 | 84 | 177 | 81 | 52 | | | |
| 23 | | | | | 23 | 80 | 173 | 81 | 32 | | | |
| 24 | | | | | 11 | 80 | 173 | 81 | 0 | | | |
| 25 | | | | | 11 | 80 | 173 | 77 | 0 | | | |
| 26 | | | | | 14 | 84 | 169 | 77 | 0 | | | |
| 27 | | | | | 14 | 88 | 169 | 77 | 0 | | | |
| 28 | | | | | 14 | 88 | 169 | 77 | 0 | | | |
| 29 | | ------ | | | 14 | 88 | 169 | 77 | 0 | | | |
| 30 | | ------ | | | 11 | 84 | 169 | 77 | 0 | | | |
| 31 | | ------ | | ------ | 3.0 | ------ | 169 | 77 | ------ | | ------ | |
| TOTAL | | | | | 1,386.0 | 1,499.0 | 4,182 | 3,443 | 1,299 | | | |
| MEAN | | | | | 44.7 | 50.0 | 135 | 111 | 43.3 | | | |
| MAX | | | | | 88 | 88 | 182 | 169 | 77 | | | |
| MIN | | | | | 3.0 | 3.0 | 70 | 63 | 0 | | | |
| AC-FT | | | | | 2,750 | 2,970 | 8,300 | 6,830 | 2,580 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

CARELESS CREEK CANAL BELOW HEAD GATE NUMBER 40A 09000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 49 | 140 | 156 | 32 | | |
| 2 | | | | | | 0 | 49 | 140 | 152 | 32 | | |
| 3 | | | | | | 0 | 53 | 140 | 156 | 32 | | |
| 4 | | | | | | 0 | 49 | 140 | 156 | 32 | | |
| 5 | | | | | | 0 | 49 | 144 | 152 | 32 | | |
| 6 | | | | | | 0 | 53 | 164 | 96 | 32 | | |
| 7 | | | | | | 0 | 49 | 164 | 56 | 29 | | |
| 8 | | | | | | 0 | 53 | 169 | 56 | 29 | | |
| 9 | | | | | | 0 | 53 | 164 | 49 | 29 | | |
| 10 | | | | | | 0 | 49 | 164 | 35 | 29 | | |
| 11 | | | | | | 0 | 56 | 160 | 35 | 29 | | |
| 12 | | | | | | 0 | 67 | 160 | 35 | 29 | | |
| 13 | | | | | | 5.0 | 63 | 169 | 35 | 8.0 | | |
| 14 | | | | | | 5.0 | 63 | 164 | 35 | 0 | | |
| 15 | | | | | | 5.0 | 67 | 160 | 35 | 0 | | |
| 16 | | | | | | 5.0 | 63 | 160 | 35 | 0 | | |
| 17 | | | | | | 5.0 | 63 | 160 | 32 | 0 | | |
| 18 | | | | | | 5.0 | 70 | 156 | 32 | 0 | | |
| 19 | | | | | | 5.0 | 70 | 156 | 32 | 0 | | |
| 20 | | | | | | 5.0 | 70 | 160 | 32 | 5.0 | | |
| 21 | | | | | | 17 | 74 | 160 | 32 | 5.0 | | |
| 22 | | | | | | 53 | 74 | 160 | 32 | 5.0 | | |
| 23 | | | | | | 49 | 74 | 156 | 32 | 8.0 | | |
| 24 | | | | | | 49 | 77 | 156 | 32 | 11 | | |
| 25 | | | | | | 49 | 77 | 160 | 32 | 11 | | |
| 26 | | | | | | 49 | 81 | 160 | 32 | 11 | | |
| 27 | | | | | | 53 | 96 | 156 | 32 | 11 | | |
| 28 | | | | | | 49 | 144 | 156 | 29 | 11 | | |
| 29 | | ------ | | | | 49 | 140 | 156 | 32 | 11 | | |
| 30 | | ------ | | | | 53 | 140 | 156 | 32 | 11 | | |
| 31 | | ------ | | ------ | | ------ | 140 | 156 | ------ | 11 | ------ | |
| TOTAL | | | | | 0 | 510.0 | 2,275 | 4,866 | 1,719 | 485.0 | | |
| MEAN | | | | | 0 | 17.0 | 73.4 | 157 | 57.3 | 15.6 | | |
| MAX | | | | | 0 | 53 | 144 | 169 | 156 | 32 | | |
| MIN | | | | | 0 | 0 | 49 | 140 | 29 | 0 | | |
| AC-FT | | | | | 0 | 1,010 | 4,510 | 9,650 | 3,410 | 962 | | |

40A 10000 Barber Canal Below Headgate near Shawmut, MT

LOCATION -- Lat 46° 20' 10", long 109° 24' 00", in NW¼ SW¼ NW¼ Sec. 30, T. 7 N., R. 19E., Golden Valley County, on right bank, 200 ft (61 m) downstream from headgate, 2.9 mi (4.7 km) upstream from tail end of canal which is at river mile 285.3 (459.0 km), 6 mi (9.7 km) east of Shawmut.

DRAINAGE AREA -- Above dam at reservoir 1,513 sq. mi (3,919 sq. km).

GAGE -- Water stage recorder. Altitude of gage 3,970 ft (1,210 m) from topography map.

AVERAGE DISCHARGE -- 1962 to 1976 - 16,600 AF/season (20.4 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 177 $ft^3/s$ (5.01 $m^3/s$), July 1973 and 1974. Minimum discharge, no flow at times.

REMARKS -- Record good except for periods of extreme moss growth and when the canal is "checked up" for irrigating.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1962

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 28 | 30 | 35 | | | |
| 2 | | | | | | 0 | 28 | 34 | 35 | | | |
| 3 | | | | | | 0 | 28 | 35 | 35 | | | |
| 4 | | | | | | 0 | 28 | 36 | 35 | | | |
| 5 | | | | | | 0 | 33 | 37 | 35 | | | |
| 6 | | | | | | 0 | 35 | 39 | 35 | | | |
| 7 | | | | | | 0 | 35 | 40 | 35 | | | |
| 8 | | | | | | 0 | 35 | 40 | 35 | | | |
| 9 | | | | | | 0 | 35 | 40 | 35 | | | |
| 10 | | | | | | 0 | 35 | 40 | 35 | | | |
| 11 | | | | | | 0 | 35 | 39 | 35 | | | |
| 12 | | | | | | 0 | 34 | 36 | 35 | | | |
| 13 | | | | | | 0 | 33 | 36 | 30 | | | |
| 14 | | | | | | 0 | 32 | 36 | 22 | | | |
| 15 | | | | | | 0 | 30 | 37 | 22 | | | |
| 16 | | | | | | 0 | 22 | 36 | 22 | | | |
| 17 | | | | | | 0 | 21 | 36 | 20 | | | |
| 18 | | | | | | 0 | 21 | 37 | 5.0 | | | |
| 19 | | | | | | 0 | 20 | 37 | 1.0 | | | |
| 20 | | | | | | 0 | 19 | 37 | 0 | | | |
| 21 | | | | | | 0 | 18 | 37 | 0 | | | |
| 22 | | | | | | 0 | 18 | 37 | 0 | | | |
| 23 | | | | | | 0 | 14 | 36 | 0 | | | |
| 24 | | | | | | 0 | 14 | 37 | 7.8 | | | |
| 25 | | | | | | 0 | 16 | 38 | 16 | | | |
| 26 | | | | | | 0 | 18 | 38 | 15 | | | |
| 27 | | | | | | 0 | 19 | 36 | 15 | | | |
| 28 | | | | | | 0 | 20 | 35 | 15 | | | |
| 29 | | ------ | | | | 0 | 20 | 35 | 15 | | | |
| 30 | | ------ | | | | 16 | 23 | 35 | 13 | | | |
| 31 | | ------ | | ------ | | ------ | 24 | 35 | ------ | | ------ | |
| TOTAL | | | | | | 16 | 791 | 1,137 | 638.8 | | | |
| MEAN | | | | | | .53 | 25.5 | 36.7 | 21.3 | | | |
| MAX | | | | | | 16 | 35 | 40 | 35 | | | |
| MIN | | | | | | 0 | 14 | 30 | 0 | | | |
| AC-FT | | | | | | 32 | 1,570 | 2,260 | 1,270 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 94 | 103 | 83 | | | |
| 2 | | | | | | | 94 | 103 | 83 | | | |
| 3 | | | | | | | 97 | 103 | 83 | | | |
| 4 | | | | | | | 97 | 103 | 62 | | | |
| 5 | | | | | | | 100 | 103 | 0 | | | |
| 6 | | | | | | | 103 | 103 | 0 | | | |
| 7 | | | | | | | 100 | 103 | 0 | | | |
| 8 | | | | | | | 100 | 103 | 0 | | | |
| 9 | | | | | | | 100 | 103 | 0 | | | |
| 10 | | | | | | | 97 | 107 | 0 | | | |
| 11 | | | | | | | 97 | 114 | 0 | | | |
| 12 | | | | | | | 108 | 111 | 0 | | | |
| 13 | | | | | | | 118 | 109 | 0 | | | |
| 14 | | | | | | | 114 | 109 | 0 | | | |
| 15 | | | | | | | 109 | 108 | 0 | | | |
| 16 | | | | | | | 106 | 109 | 0 | | | |
| 17 | | | | | | | 106 | 109 | 0 | | | |
| 18 | | | | | | | 106 | 109 | 0 | | | |
| 19 | | | | | | | 106 | 108 | 0 | | | |
| 20 | | | | | | | 106 | 108 | 0 | | | |
| 21 | | | | | | | 105 | 108 | 0 | | | |
| 22 | | | | | | | 105 | 108 | 0 | | | |
| 23 | | | | | | | 106 | 108 | 0 | | | |
| 24 | | | | | | | 106 | 103 | 0 | | | |
| 25 | | | | | | | 106 | 95 | 0 | | | |
| 26 | | | | | | | 105 | 95 | 0 | | | |
| 27 | | | | | | | 105 | 95 | 0 | | | |
| 28 | | | | | | | 105 | 89 | 0 | | | |
| 29 | | ------ | | | | | 105 | 81 | 0 | | | |
| 30 | | ------ | | | | | 105 | 81 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 103 | 81 | ------ | | ------ | |
| TOTAL | | | | | | | 3,214 | 3,172 | 311 | | | |
| MEAN | | | | | | | 104 | 102 | 10.4 | | | |
| MAX | | | | | | | 118 | 114 | 83 | | | |
| MIN | | | | | | | 94 | 81 | 0 | | | |
| AC-FT | | | | | | | 6,370 | 6,290 | 617 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 85 | 0 | 115 | 89 | | | |
| 2 | | | | | | 85 | 0 | 115 | 89 | | | |
| 3 | | | | | | 85 | 0 | 115 | 71 | | | |
| 4 | | | | | | 85 | 0 | 115 | 43 | | | |
| 5 | | | | | | 85 | 0 | 115 | 43 | | | |
| 6 | | | | | | 85 | 0 | 115 | 43 | | | |
| 7 | | | | | | 85 | 0 | 115 | 43 | | | |
| 8 | | | | | | 75 | 0 | 114 | 41 | | | |
| 9 | | | | | | 11 | 0 | 114 | 23 | | | |
| 10 | | | | | | 11 | 54 | 114 | 23 | | | |
| 11 | | | | | | 11 | 81 | 114 | 23 | | | |
| 12 | | | | | | 11 | 79 | 114 | 23 | | | |
| 13 | | | | | | 8.0 | 95 | 114 | 23 | | | |
| 14 | | | | | | 8.0 | 103 | 114 | 20 | | | |
| 15 | | | | | | 5.0 | 105 | 112 | 20 | | | |
| 16 | | | | | | 0 | 105 | 112 | 20 | | | |
| 17 | | | | | | 0 | 98 | 112 | 20 | | | |
| 18 | | | | | | 0 | 103 | 112 | 20 | | | |
| 19 | | | | | | 0 | 112 | 112 | 20 | | | |
| 20 | | | | | | 0 | 111 | 106 | 20 | | | |
| 21 | | | | | | 0 | 114 | 100 | 10 | | | |
| 22 | | | | | | 0 | 117 | 100 | 10 | | | |
| 23 | | | | | | 0 | 117 | 100 | 10 | | | |
| 24 | | | | | | 2.5 | 117 | 100 | 10 | | | |
| 25 | | | | | | 14 | 117 | 100 | 10 | | | |
| 26 | | | | | | 14 | 117 | 102 | 10 | | | |
| 27 | | | | | | 14 | 117 | 102 | 10 | | | |
| 28 | | | | | | 12 | 117 | 96 | 10 | | | |
| 29 | | | | | | 0 | 117 | 89 | 10 | | | |
| 30 | | ------ | | | | 0 | 115 | 89 | 10 | | | |
| 31 | | ------ | | ------ | | ------ | 115 | 89 | ------ | | ------ | |
| TOTAL | | | | | | 791.5 | 2,326 | 3,336 | 817 | | | |
| MEAN | | | | | | 26.4 | 75.0 | 108 | 27.2 | | | |
| MAX | | | | | | 85 | 117 | 115 | 89 | | | |
| MIN | | | | | | 0 | 0 | 89 | 10 | | | |
| AC-FT | | | | | | 1,570 | 4,610 | 6,620 | 1,620 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 91 | 77 | 130 | 106 | | | |
| 2 | | | | | | 91 | 77 | 130 | 106 | | | |
| 3 | | | | | | 91 | 77 | 130 | 106 | | | |
| 4 | | | | | | 91 | 77 | 130 | 106 | | | |
| 5 | | | | | | 91 | 50 | 130 | 106 | | | |
| 6 | | | | | | 91 | 40 | 130 | 106 | | | |
| 7 | | | | | | 91 | 58 | 127 | 106 | | | |
| 8 | | | | | | 91 | 58 | 127 | 106 | | | |
| 9 | | | | | | 94 | 58 | 127 | 106 | | | |
| 10 | | | | | | 106 | 58 | 121 | 106 | | | |
| 11 | | | | | | 106 | 58 | 115 | 106 | | | |
| 12 | | | | | | 106 | 58 | 115 | 106 | | | |
| 13 | | | | | | 100 | 58 | 115 | 106 | | | |
| 14 | | | | | | 97 | 58 | 115 | 77 | | | |
| 15 | | | | | | 97 | 58 | 115 | 0 | | | |
| 16 | | | | | | 97 | 74 | 115 | 0 | | | |
| 17 | | | | | | 97 | 80 | 115 | 0 | | | |
| 18 | | | | | | 94 | 80 | 118 | 0 | | | |
| 19 | | | | | | 88 | 80 | 118 | 0 | | | |
| 20 | | | | | | 91 | 94 | 118 | 0 | | | |
| 21 | | | | | | 85 | 106 | 118 | 0 | | | |
| 22 | | | | | | 77 | 121 | 118 | 0 | | | |
| 23 | | | | | | 77 | 150 | 118 | 0 | | | |
| 24 | | | | | | 77 | 150 | 118 | 0 | | | |
| 25 | | | | | | 77 | 140 | 118 | 0 | | | |
| 26 | | | | | | 77 | 140 | 118 | 0 | | | |
| 27 | | | | | | 74 | 140 | 112 | 0 | | | |
| 28 | | | | | | 77 | 137 | 106 | 0 | | | |
| 29 | | ------ | | | | 77 | 130 | 106 | 0 | | | |
| 30 | | ------ | | | | 77 | 130 | 106 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 130 | 106 | ------ | | ------ | |
| TOTAL | | | | | | 2,676 | 2,802 | 3,685 | 1,455 | | | |
| MEAN | | | | | | 89.2 | 90.4 | 119 | 48.5 | | | |
| MAX | | | | | | 106 | 150 | 130 | 106 | | | |
| MIN | | | | | | 74 | 40 | 106 | 0 | | | |
| AC-FT | | | | | | 5,310 | 5,560 | 7,310 | 2,890 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 71 | 69 | 118 | 103 | | | |
| 2 | | | | | | 71 | 69 | 118 | 109 | | | |
| 3 | | | | | | 58 | 69 | 118 | 115 | | | |
| 4 | | | | | | 48 | 69 | 115 | 115 | | | |
| 5 | | | | | | 50 | 69 | 118 | 112 | | | |
| 6 | | | | | | 50 | 74 | 115 | 115 | | | |
| 7 | | | | | | 50 | 74 | 112 | 112 | | | |
| 8 | | | | | | 50 | 74 | 118 | 106 | | | |
| 9 | | | | | | 50 | 79 | 118 | 100 | | | |
| 10 | | | | | | 56 | 79 | 118 | 100 | | | |
| 11 | | | | | | 58 | 79 | 118 | 103 | | | |
| 12 | | | | | | 58 | 85 | 118 | 91 | | | |
| 13 | | | | | | 58 | 85 | 118 | 91 | | | |
| 14 | | | | | | 58 | 88 | 118 | 91 | | | |
| 15 | | | | | | 58 | 94 | 115 | 91 | | | |
| 16 | | | | | | 58 | 94 | 115 | 91 | | | |
| 17 | | | | | | 58 | 94 | 115 | 91 | | | |
| 18 | | | | | | 58 | 100 | 115 | 91 | | | |
| 19 | | | | | | 58 | 100 | 115 | 91 | | | |
| 20 | | | | | | 61 | 100 | 115 | 91 | | | |
| 21 | | | | | | 61 | 106 | 115 | 91 | | | |
| 22 | | | | | | 61 | 106 | 115 | 91 | | | |
| 23 | | | | | | 56 | 106 | 115 | 91 | | | |
| 24 | | | | | | 56 | 112 | 115 | 91 | | | |
| 25 | | | | | | 56 | 112 | 115 | 91 | | | |
| 26 | | | | | | 69 | 112 | 115 | 91 | | | |
| 27 | | | | | | 74 | 112 | 115 | 91 | | | |
| 28 | | | | | | 74 | 112 | 109 | 88 | | | |
| 29 | | ------ | | | | 74 | 115 | 103 | 88 | | | |
| 30 | | ------ | | | | 69 | 118 | 103 | 85 | | | |
| 31 | | ------ | | ------ | | ------ | 118 | 103 | ------ | | ------ | |
| TOTAL | | | | | | 1,787 | 2,873 | 3,553 | 2,907 | | | |
| MEAN | | | | | | 59.6 | 92.7 | 115 | 96.9 | | | |
| MAX | | | | | | 74 | 118 | 118 | 115 | | | |
| MIN | | | | | | 48 | 69 | 103 | 85 | | | |
| AC-FT | | | | | | 3,540 | 5,700 | 7,050 | 5,770 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 94 | 97 | | | |
| 2 | | | | | | | 0 | 103 | 94 | | | |
| 3 | | | | | | | 5.9 | 106 | 94 | | | |
| 4 | | | | | | | 50 | 106 | 88 | | | |
| 5 | | | | | | | 50 | 106 | 77 | | | |
| 6 | | | | | | | 50 | 106 | 77 | | | |
| 7 | | | | | | | 53 | 106 | 77 | | | |
| 8 | | | | | | | 50 | 106 | 74 | | | |
| 9 | | | | | | | 50 | 106 | 74 | | | |
| 10 | | | | | | | 50 | 100 | 74 | | | |
| 11 | | | | | | | 50 | 100 | 74 | | | |
| 12 | | | | | | | 53 | 100 | 58 | | | |
| 13 | | | | | | | 53 | 97 | 40 | | | |
| 14 | | | | | | | 50 | 97 | 40 | | | |
| 15 | | | | | | | 50 | 97 | 40 | | | |
| 16 | | | | | | | 50 | 97 | 40 | | | |
| 17 | | | | | | | 48 | 97 | 40 | | | |
| 18 | | | | | | | 48 | 97 | 40 | | | |
| 19 | | | | | | | 48 | 97 | 40 | | | |
| 20 | | | | | | | 48 | 97 | 40 | | | |
| 21 | | | | | | | 48 | 97 | 40 | | | |
| 22 | | | | | | | 64 | 97 | 40 | | | |
| 23 | | | | | | | 64 | 94 | 40 | | | |
| 24 | | | | | | | 61 | 94 | 40 | | | |
| 25 | | | | | | | 61 | 94 | 40 | | | |
| 26 | | | | | | | 61 | 94 | 40 | | | |
| 27 | | | | | | | 61 | 94 | 40 | | | |
| 28 | | | | | | | 79 | 97 | 40 | | | |
| 29 | | ------ | | | | | 94 | 97 | 40 | | | |
| 30 | | ------ | | | | | 94 | 97 | 40 | | | |
| 31 | | ------ | | ------ | | ------ | 94 | 97 | ------ | | ------ | |
| TOTAL | | | | | | 0 | 1,627.9 | 3,067 | 1,678 | | | |
| MEAN | | | | | | 0 | 52.8 | 98.9 | 55.9 | | | |
| MAX | | | | | | 0 | 94 | 106 | 97 | | | |
| MIN | | | | | | 0 | 0 | 94 | 40 | | | |
| AC-FT | | | | | | 0 | 3,250 | 6,080 | 3,330 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 6.5 | 36 | 33 | 75 | 0 | | | |
| 2 | | | | | 6.5 | 36 | 33 | 75 | 0 | | | |
| 3 | | | | | 6.5 | 30 | 36 | 75 | 18 | | | |
| 4 | | | | | 6.5 | 30 | 36 | 75 | 18 | | | |
| 5 | | | | | 6.5 | 30 | 36 | 80 | 28 | | | |
| 6 | | | | | 6.5 | 30 | 36 | 105 | 33 | | | |
| 7 | | | | | 6.5 | 30 | 36 | 105 | 33 | | | |
| 8 | | | | | 6.5 | 30 | 36 | 98 | 43 | | | |
| 9 | | | | | 6.5 | 30 | 36 | 98 | 43 | | | |
| 10 | | | | | 6.5 | 30 | 36 | 98 | 47 | | | |
| 11 | | | | | 6.5 | 30 | 36 | 98 | 43 | | | |
| 12 | | | | | 6.5 | 30 | 36 | 92 | 40 | | | |
| 13 | | | | | 6.5 | 30 | 36 | 92 | 23 | | | |
| 14 | | | | | 8.3 | 30 | 47 | 92 | 23 | | | |
| 15 | | | | | 8.3 | 33 | 80 | 92 | 23 | | | |
| 16 | | | | | 8.3 | 30 | 86 | 92 | 23 | | | |
| 17 | | | | | 6.5 | 33 | 80 | 92 | 23 | | | |
| 18 | | | | | 8.3 | 33 | 80 | 92 | 23 | | | |
| 19 | | | | | 8.3 | 33 | 80 | 86 | 23 | | | |
| 20 | | | | | 8.3 | 33 | 80 | 33 | 23 | | | |
| 21 | | | | | 14 | 33 | 80 | 0 | 23 | | | |
| 22 | | | | | 30 | 33 | 80 | 0 | 23 | | | |
| 23 | | | | | 33 | 33 | 80 | 0 | 23 | | | |
| 24 | | | | | 33 | 33 | 86 | 0 | 23 | | | |
| 25 | | | | | 33 | 33 | 86 | 0 | 23 | | | |
| 26 | | | | | 33 | 33 | 86 | 0 | 23 | | | |
| 27 | | | | | 33 | 33 | 86 | 0 | 23 | | | |
| 28 | | | | | 33 | 33 | 80 | 0 | 6.5 | | | |
| 29 | | | | | 36 | 33 | 80 | 0 | 0 | | | |
| 30 | | ------ | | | 36 | 33 | 75 | 0 | 0 | | | |
| 31 | | ------ | | ------ | 36 | ------ | 75 | 0 | ------ | | ------ | |
| TOTAL | | | | | 490.8 | 957 | 1,889 | 1,745 | 697.5 | | | |
| MEAN | | | | | 15.8 | 31.9 | 60.9 | 56.3 | 23.3 | | | |
| MAX | | | | | 36 | 36 | 86 | 105 | 47 | | | |
| MIN | | | | | 6.5 | 30 | 33 | 0 | 0 | | | |
| AC-FT | | | | | 974 | 1,900 | 3,750 | 3,460 | 1,380 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 106 | 17 | 63 | 84 | | | |
| 2 | | | | | | 131 | 19 | 69 | 81 | | | |
| 3 | | | | | | 131 | 17 | 75 | 81 | | | |
| 4 | | | | | | 131 | 19 | 81 | 84 | | | |
| 5 | | | | | | 131 | 19 | 87 | 81 | | | |
| 6 | | | | | | 131 | 20 | 90 | 81 | | | |
| 7 | | | | | | 126 | 20 | 96 | 78 | | | |
| 8 | | | | | | 110 | 0 | 96 | 78 | | | |
| 9 | | | | | | 110 | 0 | 96 | 78 | | | |
| 10 | | | | | | 110 | 0 | 87 | 81 | | | |
| 11 | | | | | | 106 | 0 | 87 | 87 | | | |
| 12 | | | | | | 106 | 0 | 81 | 87 | | | |
| 13 | | | | | | 106 | 0 | 78 | 90 | | | |
| 14 | | | | | | 106 | 0 | 78 | 90 | | | |
| 15 | | | | | | 96 | 0 | 78 | 78 | | | |
| 16 | | | | | | 84 | 0 | 78 | 75 | | | |
| 17 | | | | | | 84 | 0 | 78 | 66 | | | |
| 18 | | | | | | 81 | 0 | 78 | 66 | | | |
| 19 | | | | | | 78 | 0 | 78 | 66 | | | |
| 20 | | | | | | 78 | 0 | 75 | 66 | | | |
| 21 | | | | | | 78 | 0 | 75 | 66 | | | |
| 22 | | | | | | 78 | 0 | 75 | 66 | | | |
| 23 | | | | | | 78 | 10 | 75 | 66 | | | |
| 24 | | | | | | 78 | 27 | 75 | 66 | | | |
| 25 | | | | | | 63 | 37 | 75 | 66 | | | |
| 26 | | | | | | 15 | 44 | 75 | 66 | | | |
| 27 | | | | | | 15 | 39 | 75 | 66 | | | |
| 28 | | | | | | 15 | 33 | 81 | 51 | | | |
| 29 | | ------ | | | | 15 | 42 | 81 | 44 | | | |
| 30 | | ------ | | | | 17 | 53 | 81 | 44 | | | |
| 31 | | ------ | | ------ | | ------ | 58 | 84 | ------ | | ------ | |
| TOTAL | | | | | | 2,594 | 474 | 2,481 | 2,179 | | | |
| MEAN | | | | | | 86.5 | 15.3 | 80.0 | 72.6 | | | |
| MAX | | | | | | 131 | 58 | 96 | 90 | | | |
| MIN | | | | | | 15 | 0 | 63 | 44 | | | |
| AC-FT | | | | | | 5,150 | 940 | 4,920 | 4,320 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 33 | 81 | 135 | 117 | | | |
| 2 | | | | | | 33 | 81 | 135 | 117 | | | |
| 3 | | | | | | 33 | 81 | 135 | 117 | | | |
| 4 | | | | | | 33 | 84 | 135 | 117 | | | |
| 5 | | | | | | 33 | 84 | 135 | 110 | | | |
| 6 | | | | | | 33 | 87 | 131 | 106 | | | |
| 7 | | | | | | 33 | 106 | 131 | 106 | | | |
| 8 | | | | | | 33 | 106 | 131 | 110 | | | |
| 9 | | | | | | 33 | 103 | 131 | 110 | | | |
| 10 | | | | | | 39 | 99 | 127 | 106 | | | |
| 11 | | | | | | 37 | 99 | 127 | 99 | | | |
| 12 | | | | | | 39 | 99 | 124 | 39 | | | |
| 13 | | | | | | 39 | 124 | 124 | 0 | | | |
| 14 | | | | | | 37 | 135 | 120 | 0 | | | |
| 15 | | | | | | 35 | 135 | 120 | 0 | | | |
| 16 | | | | | | 39 | 135 | 120 | 0 | | | |
| 17 | | | | | | 39 | 135 | 120 | 0 | | | |
| 18 | | | | | | 44 | 135 | 120 | 0 | | | |
| 19 | | | | | | 58 | 135 | 124 | 0 | | | |
| 20 | | | | | | 58 | 139 | 124 | 0 | | | |
| 21 | | | | | | 58 | 139 | 124 | 0 | | | |
| 22 | | | | | | 58 | 139 | 124 | 0 | | | |
| 23 | | | | | | 58 | 139 | 120 | 0 | | | |
| 24 | | | | | | 58 | 139 | 120 | 0 | | | |
| 25 | | | | | | 61 | 139 | 120 | 0 | | | |
| 26 | | | | | | 66 | 139 | 120 | 0 | | | |
| 27 | | | | | | 84 | 139 | 120 | 0 | | | |
| 28 | | | | | | 84 | 139 | 120 | 0 | | | |
| 29 | | ------ | | | | 84 | 135 | 120 | 0 | | | |
| 30 | | ------ | | | | 84 | 135 | 117 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 135 | 117 | ------ | | ------ | |
| TOTAL | | | | | | 1,456 | 3,700 | 3,871 | 1,254 | | | |
| MEAN | | | | | | 48.5 | 119 | 125 | 41.8 | | | |
| MAX | | | | | | 84 | 139 | 135 | 117 | | | |
| MIN | | | | | | 33 | 81 | 117 | 0 | | | |
| AC-FT | | | | | | 2,890 | 7,340 | 7,680 | 2,490 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 22 | 18 | 113 | 86 | 78 | | |
| 2 | | | | | 0 | 22 | 18 | 113 | 86 | 78 | | |
| 3 | | | | | 0 | 22 | 18 | 113 | 86 | 50 | | |
| 4 | | | | | 0 | 29 | 18 | 113 | 86 | 0 | | |
| 5 | | | | | 0 | 42 | 18 | 113 | 86 | 0 | | |
| 6 | | | | | 0 | 35 | 18 | 113 | 86 | 0 | | |
| 7 | | | | | 0 | 31 | 17 | 113 | 84 | 0 | | |
| 8 | | | | | 0 | 31 | 15 | 113 | 72 | 0 | | |
| 9 | | | | | 0 | 17 | 33 | 110 | 72 | 0 | | |
| 10 | | | | | 0 | 7.5 | 46 | 110 | 72 | 0 | | |
| 11 | | | | | 0 | 7.5 | 46 | 110 | 68 | 0 | | |
| 12 | | | | | 0 | 7.5 | 50 | 110 | 68 | 0 | | |
| 13 | | | | | 0 | 7.5 | 58 | 110 | 68 | 0 | | |
| 14 | | | | | 0 | 7.5 | 102 | 110 | 68 | 0 | | |
| 15 | | | | | 0 | 6.0 | 106 | 110 | 68 | 0 | | |
| 16 | | | | | 0 | 6.0 | 131 | 110 | 68 | 0 | | |
| 17 | | | | | 0 | 6.0 | 131 | 110 | 66 | 0 | | |
| 18 | | | | | 0 | 6.0 | 131 | 110 | 63 | 0 | | |
| 19 | | | | | 0 | 3.0 | 131 | 110 | 53 | 0 | | |
| 20 | | | | | 0 | 6.0 | 131 | 106 | 48 | 0 | | |
| 21 | | | | | 0 | 1.5 | 131 | 106 | 48 | 0 | | |
| 22 | | | | | 0 | 4.5 | 135 | 106 | 48 | 0 | | |
| 23 | | | | | 0 | 7.5 | 135 | 106 | 48 | 0 | | |
| 24 | | | | | 0 | 9.0 | 120 | 106 | 48 | 0 | | |
| 25 | | | | | 3.0 | 12 | 113 | 106 | 66 | 0 | | |
| 26 | | | | | 10 | 17 | 113 | 106 | 78 | 0 | | |
| 27 | | | | | 14 | 18 | 113 | 106 | 78 | 0 | | |
| 28 | | | | | 14 | 18 | 113 | 106 | 78 | 0 | | |
| 29 | | ------ | | | 15 | 18 | 113 | 106 | 78 | 0 | | |
| 30 | | ------ | | | 18 | 18 | 113 | 106 | 80 | 0 | | |
| 31 | | ------ | | ------ | 20 | ------ | 113 | 99 | ------ | 0 | ------ | |
| TOTAL | | | | | 94.0 | 445.0 | 2,548 | 3,379 | 2,104 | 206 | | |
| MEAN | | | | | 3.03 | 14.8 | 82.2 | 109 | 70.1 | 6.65 | | |
| MAX | | | | | 20 | 42 | 135 | 113 | 86 | 78 | | |
| MIN | | | | | 0 | 1.5 | 15 | 99 | 48 | 0 | | |
| AC-FT | | | | | 186 | 883 | 5,050 | 6,700 | 4,170 | 409 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 46 | 78 | 111 | 78 | | | |
| 2 | | | | | 0 | 48 | 78 | 111 | 78 | | | |
| 3 | | | | | 0 | 48 | 84 | 108 | 78 | | | |
| 4 | | | | | 0 | 51 | 87 | 108 | 79 | | | |
| 5 | | | | | 0 | 51 | 93 | 108 | 78 | | | |
| 6 | | | | | 0 | 53 | 99 | 108 | 78 | | | |
| 7 | | | | | 0 | 56 | 103 | 108 | 78 | | | |
| 8 | | | | | 0 | 56 | 110 | 108 | 78 | | | |
| 9 | | | | | 0 | 56 | 113 | 108 | 78 | | | |
| 10 | | | | | 0 | 56 | 145 | 108 | 78 | | | |
| 11 | | | | | 0 | 56 | 145 | 105 | 78 | | | |
| 12 | | | | | 0 | 56 | 145 | 105 | 78 | | | |
| 13 | | | | | 0 | 53 | 145 | 105 | 75 | | | |
| 14 | | | | | 0 | 56 | 145 | 105 | 75 | | | |
| 15 | | | | | 0 | 56 | 145 | 102 | 73 | | | |
| 16 | | | | | 0 | 56 | 158 | 84 | 73 | | | |
| 17 | | | | | 0 | 56 | 158 | 84 | 73 | | | |
| 18 | | | | | 0 | 56 | 158 | 84 | 68 | | | |
| 19 | | | | | 0 | 56 | 158 | 81 | 60 | | | |
| 20 | | | | | 0 | 56 | 158 | 81 | 55 | | | |
| 21 | | | | | 0 | 56 | 158 | 81 | 53 | | | |
| 22 | | | | | 0 | 56 | 135 | 81 | 53 | | | |
| 23 | | | | | 2.3 | 60 | 135 | 81 | 50 | | | |
| 24 | | | | | 19 | 60 | 135 | 81 | 50 | | | |
| 25 | | | | | 20 | 65 | 135 | 81 | 50 | | | |
| 26 | | | | | 31 | 65 | 132 | 81 | 50 | | | |
| 27 | | | | | 33 | 65 | 114 | 81 | 50 | | | |
| 28 | | | | | 33 | 69 | 114 | 78 | 50 | | | |
| 29 | | | | | 33 | 75 | 111 | 78 | 50 | | | |
| 30 | | ------ | | | 31 | 75 | 111 | 78 | 50 | | | |
| 31 | | ------ | | ------ | 35 | ------ | 111 | 78 | ------ | | ------ | |
| TOTAL | | | | 0 | 237.3 | 1,724 | 3,896 | 2,901 | 1,994 | | | |
| MEAN | | | | 0 | 7.65 | 57.5 | 126 | 93.6 | 66.5 | | | |
| MAX | | | | 0 | 35 | 75 | 158 | 111 | 78 | | | |
| MIN | | | | 0 | 0 | 46 | 78 | 78 | 50 | | | |
| AC-FT | | | | 0 | 471 | 3,420 | 7,730 | 5,750 | 3,960 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 78 | 108 | 116 | 40 | | | |
| 2 | | | | | 0 | 85 | 108 | 116 | 40 | | | |
| 3 | | | | | 0 | 85 | 108 | 116 | 40 | | | |
| 4 | | | | | 0 | 85 | 108 | 112 | 20 | | | |
| 5 | | | | | 0 | 89 | 124 | 112 | 0 | | | |
| 6 | | | | | 0 | 89 | 144 | 112 | 0 | | | |
| 7 | | | | | 0 | 89 | 156 | 120 | 0 | | | |
| 8 | | | | | 0 | 92 | 160 | 108 | 0 | | | |
| 9 | | | | | 0 | 92 | 160 | 112 | 0 | | | |
| 10 | | | | | 0 | 92 | 160 | 108 | 0 | | | |
| 11 | | | | | 0 | 92 | 156 | 112 | 0 | | | |
| 12 | | | | | 0 | 92 | 169 | 112 | 0 | | | |
| 13 | | | | | 0 | 92 | 177 | 112 | 0 | | | |
| 14 | | | | | 0 | 92 | 177 | 112 | 0 | | | |
| 15 | | | | | 0 | 89 | 177 | 112 | 0 | | | |
| 16 | | | | | 0 | 92 | 177 | 108 | 0 | | | |
| 17 | | | | | 0 | 92 | 177 | 112 | 0 | | | |
| 18 | | | | | 0 | 89 | 177 | 108 | 0 | | | |
| 19 | | | | | 46 | 89 | 169 | 108 | 0 | | | |
| 20 | | | | | 89 | 79 | 148 | 108 | 0 | | | |
| 21 | | | | | 89 | 71 | 144 | 108 | 0 | | | |
| 22 | | | | | 92 | 71 | 144 | 104 | 0 | | | |
| 23 | | | | | 89 | 71 | 148 | 104 | 0 | | | |
| 24 | | | | | 78 | 71 | 148 | 100 | 0 | | | |
| 25 | | | | | 78 | 71 | 148 | 93 | 0 | | | |
| 26 | | | | | 78 | 75 | 148 | 96 | 0 | | | |
| 27 | | | | | 78 | 124 | 124 | 96 | 0 | | | |
| 28 | | | | | 78 | 124 | 71 | 96 | 0 | | | |
| 29 | | ------ | | | 78 | 124 | 75 | 82 | 0 | | | |
| 30 | | ------ | | | 78 | 112 | 71 | 61 | 0 | | | |
| 31 | | ------ | | ------ | 75 | ------ | 82 | 40 | ------ | | ------ | |
| TOTAL | | | | | 1,026 | 2,687 | 4,343 | 3,216 | 140 | | | |
| MEAN | | | | | 33.1 | 89.6 | 140 | 104 | 4.67 | | | |
| MAX | | | | | 92 | 124 | 177 | 120 | 40 | | | |
| MIN | | | | | 0 | 71 | 71 | 40 | 0 | | | |
| AC-FT | | | | | 2,040 | 5,330 | 8,610 | 6,380 | 278 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 51 | 17 | 135 | 55 | | | |
| 2 | | | | | 0 | 51 | 89 | 135 | 55 | | | |
| 3 | | | | | 0 | 49 | 89 | 135 | 55 | | | |
| 4 | | | | | 4.4 | 49 | 89 | 135 | 55 | | | |
| 5 | | | | | 31 | 49 | 85 | 135 | 41 | | | |
| 6 | | | | | 29 | 43 | 75 | 135 | 0 | | | |
| 7 | | | | | 34 | 27 | 29 | 135 | 0 | | | |
| 8 | | | | | 49 | 17 | 4.0 | 131 | 0 | | | |
| 9 | | | | | 100 | 17 | 4.0 | 131 | 0 | | | |
| 10 | | | | | 115 | 17 | 4.0 | 131 | 0 | | | |
| 11 | | | | | 123 | 17 | 4.0 | 131 | 0 | | | |
| 12 | | | | | 123 | 17 | 4.0 | 111 | 0 | | | |
| 13 | | | | | 127 | 17 | 43 | 71 | 0 | | | |
| 14 | | | | | 131 | 14 | 81 | 51 | 0 | | | |
| 15 | | | | | 143 | 14 | 81 | 51 | 0 | | | |
| 16 | | | | | 143 | 14 | 111 | 51 | 0 | | | |
| 17 | | | | | 123 | 21 | 135 | 51 | 0 | | | |
| 18 | | | | | 100 | 34 | 173 | 61 | 0 | | | |
| 19 | | | | | 92 | 37 | 173 | 61 | 0 | | | |
| 20 | | | | | 92 | 15 | 177 | 57 | 0 | | | |
| 21 | | | | | 89 | 7.5 | 177 | 57 | 0 | | | |
| 22 | | | | | 89 | 12 | 169 | 57 | 0 | | | |
| 23 | | | | | 79 | 8.0 | 139 | 57 | 0 | | | |
| 24 | | | | | 71 | 24 | 139 | 57 | 0 | | | |
| 25 | | | | | 71 | 24 | 139 | 57 | 0 | | | |
| 26 | | | | | 71 | 24 | 139 | 55 | 0 | | | |
| 27 | | | | | 71 | 24 | 139 | 55 | 0 | | | |
| 28 | | | | | 71 | 24 | 135 | 55 | 0 | | | |
| 29 | | ------ | | | 71 | 21 | 139 | 55 | 0 | | | |
| 30 | | ------ | | | 61 | 14 | 139 | 55 | 0 | | | |
| 31 | | ------ | | ------ | 51 | ------ | 135 | 55 | ------ | | ------ | |
| TOTAL | | | | | 2,354.4 | 752.5 | 3,056.0 | 2,649 | 261 | | | |
| MEAN | | | | | 75.9 | 25.1 | 98.6 | 85.5 | 8.70 | | | |
| MAX | | | | | 143 | 51 | 177 | 135 | 55 | | | |
| MIN | | | | | 0 | 7.5 | 4.0 | 51 | 0 | | | |
| AC-FT | | | | | 4,670 | 1,490 | 6,060 | 5,250 | 518 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 43 | 85 | 100 | 52 | | |
| 2 | | | | | | 0 | 43 | 85 | 100 | 52 | | |
| 3 | | | | | | 0 | 43 | 85 | 100 | 52 | | |
| 4 | | | | | | 0 | 43 | 89 | 100 | 49 | | |
| 5 | | | | | | 0 | 43 | 89 | 100 | 49 | | |
| 6 | | | | | | 0 | 43 | 108 | 71 | 52 | | |
| 7 | | | | | | 0 | 43 | 108 | 49 | 52 | | |
| 8 | | | | | | 0 | 43 | 108 | 49 | 49 | | |
| 9 | | | | | | 0 | 43 | 108 | 46 | 52 | | |
| 10 | | | | | | 0 | 43 | 108 | 43 | 52 | | |
| 11 | | | | | | 0 | 49 | 108 | 43 | 52 | | |
| 12 | | | | | | 0 | 55 | 108 | 46 | 52 | | |
| 13 | | | | | | 0 | 55 | 108 | 46 | 30 | | |
| 14 | | | | | | 0 | 55 | 108 | 46 | 0 | | |
| 15 | | | | | | 0 | 55 | 108 | 46 | 0 | | |
| 16 | | | | | | 0 | 55 | 108 | 46 | 0 | | |
| 17 | | | | | | 0 | 55 | 104 | 46 | 0 | | |
| 18 | | | | | | 0 | 61 | 104 | 46 | 0 | | |
| 19 | | | | | | 0 | 61 | 104 | 46 | 0 | | |
| 20 | | | | | | 0 | 58 | 104 | 49 | 0 | | |
| 21 | | | | | | 8.5 | 46 | 104 | 49 | 0 | | |
| 22 | | | | | | 43 | 46 | 104 | 49 | 0 | | |
| 23 | | | | | | 43 | 46 | 104 | 49 | 0 | | |
| 24 | | | | | | 43 | 46 | 104 | 49 | 0 | | |
| 25 | | | | | | 46 | 46 | 104 | 49 | 0 | | |
| 26 | | | | | | 46 | 46 | 104 | 49 | 0 | | |
| 27 | | | | | | 46 | 52 | 100 | 49 | 0 | | |
| 28 | | | | | | 46 | 64 | 100 | 49 | 0 | | |
| 29 | | ------ | | | | 46 | 89 | 100 | 49 | 0 | | |
| 30 | | ------ | | | | 46 | 85 | 100 | 52 | 0 | | |
| 31 | | ------ | | ------ | | ------ | 85 | 100 | ------ | 0 | ------ | |
| TOTAL | | | | | 0 | 413.5 | 1,640 | 3,161 | 1,711 | 645 | | |
| MEAN | | | | | 0 | 13.8 | 52.9 | 102 | 57.0 | 20.8 | | |
| MAX | | | | | 0 | 46 | 89 | 108 | 100 | 52 | | |
| MIN | | | | | 0 | 0 | 43 | 85 | 43 | 0 | | |
| AC-FT | | | | | 0 | 820 | 3,250 | 6,270 | 3,390 | 1,280 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BARBER CANAL BELOW HEAD GATE NUMBER 40A 10000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 19 | 38 | 115 | 108 | | | |
| 2 | | | | | 0 | 32 | 58 | 115 | 104 | | | |
| 3 | | | | | 0 | 40 | 40 | 115 | 104 | | | |
| 4 | | | | | 0 | 40 | 58 | 115 | 104 | | | |
| 5 | | | | | 0 | 40 | 100 | 115 | 104 | | | |
| 6 | | | | | 0 | 40 | 100 | 115 | 104 | | | |
| 7 | | | | | 0 | 40 | 104 | 115 | 104 | | | |
| 8 | | | | | 0 | 34 | 104 | 115 | 104 | | | |
| 9 | | | | | 0 | 27 | 104 | 112 | 104 | | | |
| 10 | | | | | 0 | 37 | 104 | 112 | 104 | | | |
| 11 | | | | | 0 | 45 | 104 | 115 | 104 | | | |
| 12 | | | | | 0 | 0 | 112 | 115 | 100 | | | |
| 13 | | | | | 0 | 0 | 128 | 112 | 100 | | | |
| 14 | | | | | 0 | 0 | 128 | 112 | 100 | | | |
| 15 | | | | | 0 | 0 | 128 | 108 | 96 | | | |
| 16 | | | | | 0 | 0 | 128 | 108 | 78 | | | |
| 17 | | | | | 0 | 0 | 128 | 108 | 25 | | | |
| 18 | | | | | 0 | 0 | 128 | 108 | 0 | | | |
| 19 | | | | | 21 | 0 | 132 | 108 | 0 | | | |
| 20 | | | | | 24 | 0 | 132 | 108 | 0 | | | |
| 21 | | | | | 27 | 0 | 128 | 108 | 0 | | | |
| 22 | | | | | 27 | 0 | 120 | 108 | 0 | | | |
| 23 | | | | | 29 | 0 | 120 | 108 | 0 | | | |
| 24 | | | | | 29 | 0 | 120 | 108 | 0 | | | |
| 25 | | | | | 29 | 0 | 120 | 108 | 0 | | | |
| 26 | | | | | 27 | 0 | 120 | 108 | 0 | | | |
| 27 | | | | | 39 | 0 | 120 | 108 | 0 | | | |
| 28 | | | | | 49 | 0 | 120 | 108 | 0 | | | |
| 29 | | | | | 49 | 0 | 115 | 108 | 0 | | | |
| 30 | | ------ | | | 55 | 0 | 115 | 108 | 0 | | | |
| 31 | | ------ | | ------ | 37 | ------ | 115 | 108 | ------ | | ------ | |
| TOTAL | | | | | 442 | 394 | 3,371 | 3,434 | 1,647 | | | |
| MEAN | | | | | 14.3 | 13.1 | 109 | 111 | 54.9 | | | |
| MAX | | | | | 55 | 45 | 132 | 115 | 108 | | | |
| MIN | | | | | 0 | 0 | 38 | 108 | 0 | | | |
| AC-FT | | | | | 877 | 782 | 6,690 | 6,810 | 3,270 | | | |

40C 02000 Delphia Canal Below Headgate near Delphia, MT

LOCATION -- Lat 46° 30' 20", long 108° 15' 00", in NE¼ NW¼ NW¼ Sec. 31, T. 9 N., R. 28 E., Musselshell County, on left bank 100 ft (31 m) downstream from headgate which is at river mile 179.2 (288.3 km), 2 mi (3 km) west of Delphia.

DRAINAGE AREA -- Above canal headgate 4,426 sq. mi (11,463 sq. km).

GAGE -- Water stage recorder. Altitude of gage 3,050 ft (930 m) from topography map.

AVERAGE DISCHARGE -- 1966 to 1976 - 3,320 AF/season (4.09 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 40 $ft^3/s$ (1.13 $m^3/s$), June 1967. Minimum discharge, no flow at times.

REMARKS -- Records good except for 1967. Estimated flows were used in June and July.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

OELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 21 | 15 | 12 | | | |
| 2 | | | | | | 0 | 16 | 15 | 12 | | | |
| 3 | | | | | | 0 | 13 | 15 | 11 | | | |
| 4 | | | | | | 0 | 15 | 15 | 11 | | | |
| 5 | | | | | | 0 | 16 | 15 | 11 | | | |
| 6 | | | | | | 0 | 15 | 15 | 11 | | | |
| 7 | | | | | | 0 | 15 | 15 | 12 | | | |
| 8 | | | | | | 0 | 14 | 9.8 | 12 | | | |
| 9 | | | | | | 0 | 13 | 8.8 | 12 | | | |
| 10 | | | | | | 0 | 17 | 11 | 12 | | | |
| 11 | | | | | | 0 | 19 | 13 | 12 | | | |
| 12 | | | | | | 0 | 19 | 13 | 9.8 | | | |
| 13 | | | | | | 0 | 19 | 13 | 7.8 | | | |
| 14 | | | | | | 0 | 19 | 13 | 7.8 | | | |
| 15 | | | | | | 6.4 | 18 | 13 | 8.3 | | | |
| 16 | | | | | | 18 | 18 | 12 | 7.8 | | | |
| 17 | | | | | | 18 | 18 | 9.3 | 8.3 | | | |
| 18 | | | | | | 18 | 17 | 10 | 8.3 | | | |
| 19 | | | | | | 18 | 16 | 11 | 10 | | | |
| 20 | | | | | | 18 | 15 | 11 | 13 | | | |
| 21 | | | | | | 18 | 15 | 7.0 | 12 | | | |
| 22 | | | | | | 18 | 15 | 6.0 | 12 | | | |
| 23 | | | | | | 18 | 15 | 6.0 | 12 | | | |
| 24 | | | | | | 19 | 14 | 6.0 | 12 | | | |
| 25 | | | | | | 19 | 15 | 6.8 | 12 | | | |
| 26 | | | | | | 20 | 14 | 8.3 | 12 | | | |
| 27 | | | | | | 20 | 14 | 12 | 12 | | | |
| 28 | | | | | | 21 | 14 | 12 | 12 | | | |
| 29 | | ------ | | | | 21 | 15 | 12 | 12 | | | |
| 30 | | ------ | | | | 21 | 15 | 12 | 12 | | | |
| 31 | | ------ | | ------ | | ------ | 15 | 12 | ------ | | ------ | |
| TOTAL | | | | | | 291.4 | 494 | 353.0 | 329.1 | | | |
| MEAN | | | | | | 9.71 | 15.9 | 11.4 | 11.0 | | | |
| MAX | | | | | | 21 | 21 | 15 | 13 | | | |
| MIN | | | | | | 0 | 13 | 6.0 | 7.8 | | | |
| AC-FT | | | | | | 578 | 980 | 700 | 653 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

OELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 14 | 0 | 18 | 12 | | | |
| 2 | | | | | | 14 | 0 | 18 | 12 | | | |
| 3 | | | | | | 14 | 0 | 18 | 12 | | | |
| 4 | | | | | | 14 | 0 | 19 | 12 | | | |
| 5 | | | | | | 14 | 0 | 19 | 12 | | | |
| 6 | | | | | | 14 | 0 | 20 | 12 | | | |
| 7 | | | | | | 9.8 | 0 | 22 | 13 | | | |
| 8 | | | | | | 40 | 0 | 23 | 13 | | | |
| 9 | | | | | | 40 | 0 | 23 | 12 | | | |
| 10 | | | | | | 40 | 0 | 23 | 12 | | | |
| 11 | | | | | | 0 | 0 | 23 | 11 | | | |
| 12 | | | | | | 0 | 0 | 20 | 10 | | | |
| 13 | | | | | | 0 | 0 | 19 | 9.0 | | | |
| 14 | | | | | | 0 | 0 | 18 | 9.0 | | | |
| 15 | | | | | | 0 | 0 | 17 | 9.0 | | | |
| 16 | | | | | | 0 | 0 | 17 | 9.0 | | | |
| 17 | | | | | | 0 | 0 | 17 | 9.0 | | | |
| 18 | | | | | | 0 | 0 | 17 | 8.0 | | | |
| 19 | | | | | | 0 | 0 | 17 | 8.0 | | | |
| 20 | | | | | | 0 | 0 | 17 | 8.0 | | | |
| 21 | | | | | | 0 | 0 | 17 | 7.0 | | | |
| 22 | | | | | | 0 | 0 | 17 | 7.0 | | | |
| 23 | | | | | | 0 | 0 | 17 | 7.0 | | | |
| 24 | | | | | | 0 | 13 | 17 | 6.0 | | | |
| 25 | | | | | | 0 | 13 | 15 | 6.0 | | | |
| 26 | | | | | | 0 | 13 | 14 | 5.0 | | | |
| 27 | | | | | | 0 | 12 | 13 | 5.0 | | | |
| 28 | | | | | | 0 | 15 | 12 | 5.0 | | | |
| 29 | | ------ | | | | 0 | 17 | 12 | 4.0 | | | |
| 30 | | ------ | | | | 0 | 17 | 12 | 4.0 | | | |
| 31 | | ------ | | ------ | | ------ | 18 | 12 | ------ | | ------ | |
| TOTAL | | | | | | 213.8 | 118 | 543 | 268.0 | | | |
| MEAN | | | | | | 7.13 | 3.81 | 17.5 | 8.93 | | | |
| MAX | | | | | | 40 | 18 | 23 | 13 | | | |
| MIN | | | | | | 0 | 0 | 12 | 4.0 | | | |
| AC-FT | | | | | | 424 | 234 | 1,080 | 532 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 5.5 | 9.3 | 4.8 | 21 | 1.9 | | | |
| 2 | | | | | 5.5 | 10 | 4.8 | 23 | 1.9 | | | |
| 3 | | | | | 4.8 | 10 | 4.0 | 23 | 1.3 | | | |
| 4 | | | | | 4.8 | 9.3 | 4.0 | 22 | 1.3 | | | |
| 5 | | | | | 4.0 | 9.3 | 4.0 | 22 | 1.3 | | | |
| 6 | | | | | 4.0 | 4.8 | 4.0 | 23 | 1.3 | | | |
| 7 | | | | | 3.3 | 2.5 | 4.0 | 23 | 0 | | | |
| 8 | | | | | 3.3 | 1.9 | 8.5 | 24 | 0 | | | |
| 9 | | | | | 3.3 | 3.3 | 14 | 17 | 0 | | | |
| 10 | | | | | 2.5 | 4.0 | 22 | 13 | 0 | | | |
| 11 | | | | | 2.5 | 4.0 | 26 | 13 | 0 | | | |
| 12 | | | | | 2.5 | 4.0 | 24 | 13 | 0 | | | |
| 13 | | | | | 1.9 | 4.0 | 25 | 12 | 0 | | | |
| 14 | | | | | 1.9 | 4.0 | 20 | 12 | 0 | | | |
| 15 | | | | | 1.9 | 4.0 | 10 | 13 | 0 | | | |
| 16 | | | | | 1.9 | 3.3 | 10 | 12 | 0 | | | |
| 17 | | | | | 1.3 | 3.3 | 11 | 12 | 0 | | | |
| 18 | | | | | 1.3 | 3.3 | 10 | 7.8 | 0 | | | |
| 19 | | | | | 1.3 | 5.5 | 7.8 | 4.0 | 0 | | | |
| 20 | | | | | 1.3 | 4.8 | 7.0 | 4.0 | 0 | | | |
| 21 | | | | | 1.3 | 4.8 | 6.3 | 4.8 | 0 | | | |
| 22 | | | | | 0 | 4.0 | 15 | 11 | 0 | | | |
| 23 | | | | | 0 | 4.0 | 23 | 10 | 0 | | | |
| 24 | | | | | 0 | 4.0 | 21 | 9.3 | 0 | | | |
| 25 | | | | | 0 | 3.3 | 21 | 7.8 | 0 | | | |
| 26 | | | | | 0 | 4.8 | 24 | 7.0 | 0 | | | |
| 27 | | | | | 8.5 | 4.8 | 20 | 5.5 | 0 | | | |
| 28 | | | | | 9.3 | 4.8 | 22 | 4.0 | 0 | | | |
| 29 | | | | | 8.5 | 4.8 | 24 | 3.3 | 0 | | | |
| 30 | | ------ | | | 8.5 | 4.8 | 22 | 3.3 | 0 | | | |
| 31 | | ------ | | ------ | 7.0 | ------ | 21 | 2.5 | ------ | | ------ | |
| TOTAL | | | | | 101.9 | 148.7 | 444.2 | 382.3 | 9.0 | | | |
| MEAN | | | | | 3.29 | 4.96 | 14.3 | 12.3 | .30 | | | |
| MAX | | | | | 9.3 | 10 | 26 | 24 | 1.9 | | | |
| MIN | | | | | 0 | 1.9 | 4.0 | 2.5 | 0 | | | |
| AC-FT | | | | | 202 | 295 | 881 | 758 | 18 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 10 | 21 | 11 | 25 | 12 | | | |
| 2 | | | | | 10 | 22 | 11 | 24 | 13 | | | |
| 3 | | | | | 10 | 23 | 10 | 24 | 13 | | | |
| 4 | | | | | 10 | 23 | 11 | 23 | 13 | | | |
| 5 | | | | | 10 | 23 | 10 | 24 | 13 | | | |
| 6 | | | | | 10 | 23 | 10 | 25 | 13 | | | |
| 7 | | | | | 10 | 8.5 | 11 | 25 | 13 | | | |
| 8 | | | | | 16 | 10 | 11 | 24 | 13 | | | |
| 9 | | | | | 16 | 15 | 11 | 24 | 13 | | | |
| 10 | | | | | 16 | 15 | 10 | 24 | 13 | | | |
| 11 | | | | | 16 | 20 | 10 | 22 | 13 | | | |
| 12 | | | | | 16 | 23 | 11 | 20 | 13 | | | |
| 13 | | | | | 16 | 25 | 11 | 21 | 12 | | | |
| 14 | | | | | 16 | 23 | 10 | 20 | 12 | | | |
| 15 | | | | | 31 | 24 | 9.3 | 20 | 11 | | | |
| 16 | | | | | 31 | 24 | 11 | 20 | 7.8 | | | |
| 17 | | | | | 31 | 24 | 10 | 20 | 5.0 | | | |
| 18 | | | | | 31 | 23 | 11 | 19 | 5.5 | | | |
| 19 | | | | | 31 | 24 | 8.5 | 19 | 5.5 | | | |
| 20 | | | | | 31 | 23 | 8.5 | 18 | 6.5 | | | |
| 21 | | | | | 31 | 24 | 12 | 17 | 7.0 | | | |
| 22 | | | | | 7.0 | 24 | 14 | 15 | 7.0 | | | |
| 23 | | | | | 8.5 | 24 | 15 | 15 | 7.0 | | | |
| 24 | | | | | 17 | 24 | 20 | 14 | 7.8 | | | |
| 25 | | | | | 21 | 19 | 25 | 13 | 7.8 | | | |
| 26 | | | | | 21 | 14 | 26 | 12 | 7.8 | | | |
| 27 | | | | | 20 | 10 | 18 | 12 | 7.8 | | | |
| 28 | | | | | 21 | 10 | 10 | 12 | 8.5 | | | |
| 29 | | ------ | | | 20 | 9.3 | 14 | 12 | 8.5 | | | |
| 30 | | ------ | | | 20 | 9.3 | 25 | 12 | 8.5 | | | |
| 31 | | ------ | | ------ | 21 | ------ | 25 | 12 | ------ | | ------ | |
| TOTAL | | | | | 575.5 | 584.1 | 410.3 | 587 | 298.0 | | | |
| MEAN | | | | | 18.6 | 19.5 | 13.2 | 18.9 | 9.93 | | | |
| MAX | | | | | 31 | 25 | 26 | 25 | 13 | | | |
| MIN | | | | | 7.0 | 8.5 | 8.5 | 12 | 5.0 | | | |
| AC-FT | | | | | 1,140 | 1,160 | 814 | 1,160 | 591 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 17 | 25 | 25 | 19 | | | |
| 2 | | | | | | 17 | 27 | 25 | 19 | | | |
| 3 | | | | | | 17 | 27 | 23 | 19 | | | |
| 4 | | | | | | 17 | 26 | 23 | 19 | | | |
| 5 | | | | | | 17 | 27 | 16 | 19 | | | |
| 6 | | | | | | 17 | 28 | 18 | 19 | | | |
| 7 | | | | | | 17 | 28 | 18 | 18 | | | |
| 8 | | | | | | 17 | 28 | 16 | 18 | | | |
| 9 | | | | | | 17 | 29 | 16 | 18 | | | |
| 10 | | | | | | 17 | 30 | 15 | 18 | | | |
| 11 | | | | | | 16 | 30 | 13 | 13 | | | |
| 12 | | | | | | 0 | 30 | 13 | 0 | | | |
| 13 | | | | | | 0 | 32 | 13 | 0 | | | |
| 14 | | | | | | 0 | 33 | 13 | 0 | | | |
| 15 | | | | | | 0 | 33 | 15 | 0 | | | |
| 16 | | | | | | 0 | 32 | 17 | 0 | | | |
| 17 | | | | | | 0 | 30 | 19 | 0 | | | |
| 18 | | | | | | 0 | 27 | 19 | 0 | | | |
| 19 | | | | | | 0 | 25 | 18 | 0 | | | |
| 20 | | | | | | 14 | 25 | 18 | 0 | | | |
| 21 | | | | | | 19 | 24 | 18 | 0 | | | |
| 22 | | | | | | 19 | 24 | 17 | 0 | | | |
| 23 | | | | | | 19 | 25 | 16 | 0 | | | |
| 24 | | | | | | 19 | 26 | 16 | 0 | | | |
| 25 | | | | | | 22 | 26 | 16 | 0 | | | |
| 26 | | | | | | 23 | 26 | 16 | 0 | | | |
| 27 | | | | | | 23 | 26 | 16 | 0 | | | |
| 28 | | | | | | 22 | 25 | 16 | 0 | | | |
| 29 | | ------ | | | | 24 | 25 | 16 | 0 | | | |
| 30 | | ------ | | | | 24 | 25 | 17 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 26 | 17 | ------ | | ------ | |
| TOTAL | | | | | | 414 | 850 | 534 | 199 | | | |
| MEAN | | | | | | 13.8 | 27.4 | 17.2 | 6.63 | | | |
| MAX | | | | | | 24 | 33 | 25 | 19 | | | |
| MIN | | | | | | 0 | 24 | 13 | 0 | | | |
| AC-FT | | | | | | 821 | 1,690 | 1,060 | 395 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 8.5 | 26 | 21 | 19 | 17 | | | |
| 2 | | | | | 8.5 | 22 | 21 | 19 | 19 | | | |
| 3 | | | | | 8.5 | 19 | 19 | 19 | 19 | | | |
| 4 | | | | | 8.5 | 16 | 18 | 19 | 19 | | | |
| 5 | | | | | 8.5 | 16 | 18 | 19 | 19 | | | |
| 6 | | | | | 7.8 | 17 | 18 | 19 | 18 | | | |
| 7 | | | | | 7.8 | 17 | 17 | 18 | 17 | | | |
| 8 | | | | | 7.8 | 15 | 17 | 19 | 16 | | | |
| 9 | | | | | 7.8 | 14 | 16 | 19 | 14 | | | |
| 10 | | | | | 7.8 | 14 | 16 | 19 | 13 | | | |
| 11 | | | | | 7.8 | 14 | 16 | 18 | 12 | | | |
| 12 | | | | | 7.8 | 14 | 17 | 18 | 12 | | | |
| 13 | | | | | 7.8 | 14 | 17 | 18 | 12 | | | |
| 14 | | | | | 7.8 | 14 | 18 | 16 | 10 | | | |
| 15 | | | | | 7.8 | 14 | 17 | 16 | 9.2 | | | |
| 16 | | | | | 7.8 | 13 | 16 | 17 | 9.2 | | | |
| 17 | | | | | 8.5 | 12 | 16 | 16 | 9.2 | | | |
| 18 | | | | | 9.2 | 11 | 17 | 16 | 9.2 | | | |
| 19 | | | | | 12 | 12 | 17 | 15 | 9.2 | | | |
| 20 | | | | | 20 | 12 | 18 | 14 | 9.2 | | | |
| 21 | | | | | 21 | 12 | 18 | 14 | 9.2 | | | |
| 22 | | | | | 21 | 10 | 17 | 14 | 9.2 | | | |
| 23 | | | | | 21 | 9.2 | 17 | 14 | 9.2 | | | |
| 24 | | | | | 20 | 9.2 | 17 | 14 | 10 | | | |
| 25 | | | | | 20 | 11 | 18 | 14 | 11 | | | |
| 26 | | | | | 18 | 11 | 18 | 14 | 11 | | | |
| 27 | | | | | 18 | 11 | 18 | 14 | 12 | | | |
| 28 | | | | | 17 | 13 | 18 | 14 | 12 | | | |
| 29 | | ------ | | | 17 | 18 | 18 | 14 | 12 | | | |
| 30 | | ------ | | | 19 | 22 | 18 | 16 | 13 | | | |
| 31 | | ------ | | ------ | 24 | ------ | 19 | 17 | ------ | | ------ | |
| TOTAL | | | | | 394.0 | 432.4 | 546 | 512 | 380.8 | | | |
| MEAN | | | | | 12.7 | 14.4 | 17.6 | 16.5 | 12.7 | | | |
| MAX | | | | | 24 | 26 | 21 | 19 | 19 | | | |
| MIN | | | | | 7.8 | 9.2 | 16 | 14 | 9.2 | | | |
| AC-FT | | | | | 782 | 858 | 1,080 | 1,020 | 755 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 4.3 | 13 | 22 | 16 | | | |
| 2 | | | | | 0 | 7.8 | 15 | 23 | 16 | | | |
| 3 | | | | | 0 | 12 | 16 | 24 | 17 | | | |
| 4 | | | | | 0 | 11 | 16 | 27 | 16 | | | |
| 5 | | | | | 0 | 7.8 | 17 | 27 | 16 | | | |
| 6 | | | | | 0 | 15 | 17 | 27 | 16 | | | |
| 7 | | | | | 0 | 22 | 17 | 25 | 16 | | | |
| 8 | | | | | 0 | 17 | 16 | 20 | 16 | | | |
| 9 | | | | | 0 | 13 | 15 | 19 | 16 | | | |
| 10 | | | | | 0 | 11 | 16 | 18 | 15 | | | |
| 11 | | | | | 0 | 7.8 | 19 | 17 | 15 | | | |
| 12 | | | | | 0 | 7.8 | 15 | 16 | 16 | | | |
| 13 | | | | | 0 | 12 | 29 | 16 | 16 | | | |
| 14 | | | | | 0 | 11 | 28 | 15 | 16 | | | |
| 15 | | | | | 0 | 9.8 | 27 | 12 | 16 | | | |
| 16 | | | | | 0 | 9.8 | 27 | 14 | 16 | | | |
| 17 | | | | | 0 | 9.8 | 27 | 13 | 16 | | | |
| 18 | | | | | 8.5 | 9.8 | 29 | 11 | 17 | | | |
| 19 | | | | | 12 | 8.8 | 28 | 9.8 | 17 | | | |
| 20 | | | | | 9.8 | 8.8 | 29 | 9.8 | 17 | | | |
| 21 | | | | | 7.8 | 8.8 | 29 | 11 | 17 | | | |
| 22 | | | | | 5.1 | 8.8 | 32 | 16 | 15 | | | |
| 23 | | | | | 5.1 | 13 | 35 | 15 | 13 | | | |
| 24 | | | | | 6.0 | 17 | 32 | 16 | 13 | | | |
| 25 | | | | | 8.8 | 16 | 30 | 15 | 14 | | | |
| 26 | | | | | 7.8 | 9.8 | 29 | 15 | 14 | | | |
| 27 | | | | | 7.8 | 6.9 | 29 | 15 | 14 | | | |
| 28 | | | | | 5.1 | 13 | 29 | 14 | 6.9 | | | |
| 29 | | | | | 5.1 | 14 | 24 | 15 | 0 | | | |
| 30 | | ------ | | | 4.3 | 13 | 23 | 16 | 0 | | | |
| 31 | | ------ | | ------ | 5.1 | ------ | 23 | 16 | ------ | | ------ | |
| TOTAL | | | | 0 | 98.3 | 336.6 | 731 | 529.6 | 428.9 | | | |
| MEAN | | | | 0 | 3.17 | 11.2 | 23.6 | 17.1 | 14.3 | | | |
| MAX | | | | 0 | 12 | 22 | 35 | 27 | 17 | | | |
| MIN | | | | 0 | 0 | 4.3 | 13 | 9.8 | 0 | | | |
| AC-FT | | | | 0 | 195 | 668 | 1,450 | 1,050 | 851 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 11 | 20 | 13 | 7.8 | | | |
| 2 | | | | | 0 | 15 | 18 | 13 | 7.8 | | | |
| 3 | | | | | 0 | 19 | 17 | 14 | 6.9 | | | |
| 4 | | | | | 0 | 20 | 17 | 15 | 6.9 | | | |
| 5 | | | | | 0 | 20 | 17 | 15 | 5.1 | | | |
| 6 | | | | | 0 | 22 | 16 | 15 | 5.1 | | | |
| 7 | | | | | 0 | 23 | 17 | 16 | 4.3 | | | |
| 8 | | | | | 0 | 23 | 19 | 17 | 2.5 | | | |
| 9 | | | | | 0 | 22 | 19 | 15 | 2.5 | | | |
| 10 | | | | | 0 | 22 | 19 | 15 | 2.5 | | | |
| 11 | | | | | 0 | 20 | 18 | 15 | 2.5 | | | |
| 12 | | | | | 0 | 20 | 17 | 15 | 2.5 | | | |
| 13 | | | | | 0 | 19 | 16 | 14 | 1.8 | | | |
| 14 | | | | | 0 | 19 | 16 | 14 | 3.4 | | | |
| 15 | | | | | 0 | 19 | 17 | 14 | 4.3 | | | |
| 16 | | | | | 0 | 20 | 18 | 13 | 4.3 | | | |
| 17 | | | | | 0 | 18 | 16 | 12 | 4.3 | | | |
| 18 | | | | | 0 | 16 | 18 | 9.8 | 4.3 | | | |
| 19 | | | | | 0 | 6.9 | 19 | 8.8 | 4.3 | | | |
| 20 | | | | | 0 | 0 | 19 | 4.3 | 3.4 | | | |
| 21 | | | | | 0 | 1.0 | 19 | 5.1 | 2.5 | | | |
| 22 | | | | | 0 | 15 | 20 | 6.9 | 3.4 | | | |
| 23 | | | | | 0 | 13 | 22 | 11 | 3.4 | | | |
| 24 | | | | | 0 | 12 | 20 | 20 | 3.4 | | | |
| 25 | | | | | 0 | 12 | 20 | 19 | 3.4 | | | |
| 26 | | | | | 0 | 12 | 19 | 15 | 3.4 | | | |
| 27 | | | | | 0 | 9.8 | 19 | 14 | 3.4 | | | |
| 28 | | | | | 0 | 9.8 | 19 | 12 | 3.4 | | | |
| 29 | | ------ | | | 0 | 14 | 19 | 11 | 3.4 | | | |
| 30 | | ------ | | | 6.0 | 18 | 17 | 8.8 | 2.8 | | | |
| 31 | | ------ | | ------ | 12 | ------ | 15 | 8.8 | ------ | | ------ | |
| TOTAL | | | | | 18.0 | 471.5 | 562 | 399.5 | 119.0 | | | |
| MEAN | | | | | .58 | 15.7 | 18.1 | 12.9 | 3.97 | | | |
| MAX | | | | | 12 | 23 | 22 | 20 | 7.8 | | | |
| MIN | | | | | 0 | 0 | 15 | 4.3 | 1.8 | | | |
| AC-FT | | | | | 36 | 935 | 1,110 | 792 | 236 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 11 | 20 | 16 | | | |
| 2 | | | | | | 0 | 11 | 20 | 16 | | | |
| 3 | | | | | | 0 | 12 | 20 | 16 | | | |
| 4 | | | | | | 0 | 12 | 24 | 16 | | | |
| 5 | | | | | | 0 | 12 | 16 | 15 | | | |
| 6 | | | | | | 0 | 19 | 16 | 15 | | | |
| 7 | | | | | | 0 | 25 | 23 | 15 | | | |
| 8 | | | | | | 0 | 23 | 22 | 14 | | | |
| 9 | | | | | | 0 | 24 | 23 | 12 | | | |
| 10 | | | | | | 0 | 21 | 20 | 10 | | | |
| 11 | | | | | | 0 | 19 | 19 | 10 | | | |
| 12 | | | | | | 0 | 19 | 17 | 4.9 | | | |
| 13 | | | | | | 0 | 19 | 19 | 0 | | | |
| 14 | | | | | | 0 | 19 | 17 | 0 | | | |
| 15 | | | | | | 0 | 18 | 19 | 0 | | | |
| 16 | | | | | | 0 | 18 | 19 | 0 | | | |
| 17 | | | | | | 0 | 18 | 18 | 0 | | | |
| 18 | | | | | | 0 | 17 | 18 | 0 | | | |
| 19 | | | | | | 11 | 18 | 17 | 0 | | | |
| 20 | | | | | | 13 | 20 | 15 | 0 | | | |
| 21 | | | | | | 12 | 24 | 11 | 0 | | | |
| 22 | | | | | | 12 | 24 | 12 | 0 | | | |
| 23 | | | | | | 12 | 24 | 11 | 0 | | | |
| 24 | | | | | | 12 | 27 | 11 | 0 | | | |
| 25 | | | | | | 11 | 25 | 10 | 0 | | | |
| 26 | | | | | | 11 | 27 | 10 | 0 | | | |
| 27 | | | | | | 11 | 24 | 11 | 0 | | | |
| 28 | | | | | | 11 | 25 | 15 | 0 | | | |
| 29 | | ------ | | | | 11 | 25 | 17 | 0 | | | |
| 30 | | ------ | | | | 11 | 25 | 16 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 24 | 16 | ------ | | ------ | |
| TOTAL | | | | | 0 | 138 | 629 | 522 | 159.9 | | | |
| MEAN | | | | | 0 | 4.60 | 20.3 | 16.8 | 5.33 | | | |
| MAX | | | | | 0 | 13 | 27 | 24 | 16 | | | |
| MIN | | | | | 0 | 0 | 11 | 10 | 0 | | | |
| AC-FT | | | | | 0 | 274 | 1,250 | 1,040 | 317 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 0 | 24 | 6.9 | | | |
| 2 | | | | | | 0 | 0 | 27 | 6.0 | | | |
| 3 | | | | | | 0 | 0 | 29 | 6.0 | | | |
| 4 | | | | | | 0 | 0 | 29 | 6.0 | | | |
| 5 | | | | | | 0 | 0 | 28 | 0 | | | |
| 6 | | | | | | 0 | 0 | 27 | 0 | | | |
| 7 | | | | | | 0 | 0 | 25 | 0 | | | |
| 8 | | | | | | 0 | 0 | 25 | 0 | | | |
| 9 | | | | | | 0 | 0 | 25 | 0 | | | |
| 10 | | | | | | 0 | 0 | 25 | 0 | | | |
| 11 | | | | | | 0 | 0 | 25 | 0 | | | |
| 12 | | | | | | 0 | 0 | 24 | 0 | | | |
| 13 | | | | | | 0 | 0 | 24 | 0 | | | |
| 14 | | | | | | 0 | 0 | 20 | 0 | | | |
| 15 | | | | | | 0 | 0 | 13 | 0 | | | |
| 16 | | | | | | 0 | 0 | 13 | 0 | | | |
| 17 | | | | | | 0 | 23 | 16 | 0 | | | |
| 18 | | | | | | 24 | 22 | 15 | 0 | | | |
| 19 | | | | | | 23 | 20 | 12 | 0 | | | |
| 20 | | | | | | 22 | 22 | 12 | 0 | | | |
| 21 | | | | | | 19 | 20 | 11 | 0 | | | |
| 22 | | | | | | 9.9 | 20 | 12 | 0 | | | |
| 23 | | | | | | 0 | 19 | 14 | 0 | | | |
| 24 | | | | | | 0 | 19 | 13 | 0 | | | |
| 25 | | | | | | 0 | 19 | 13 | 0 | | | |
| 26 | | | | | | 0 | 19 | 13 | 0 | | | |
| 27 | | | | | | 0 | 19 | 9.8 | 0 | | | |
| 28 | | | | | | 0 | 19 | 8.8 | 0 | | | |
| 29 | | ------ | | | | 0 | 19 | 7.8 | 0 | | | |
| 30 | | ------ | | | | 0 | 22 | 7.8 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 23 | 6.9 | ------ | | ------ | |
| TOTAL | | | | 0 | 0 | 97.9 | 305 | 555.1 | 24.9 | 0 | | |
| MEAN | | | | 0 | 0 | 3.26 | 9.84 | 17.9 | .83 | 0 | | |
| MAX | | | | 0 | 0 | 24 | 23 | 29 | 6.9 | 0 | | |
| MIN | | | | 0 | 0 | 0 | 0 | 6.9 | 0 | 0 | | |
| AC-FT | | | | 0 | 0 | 194 | 605 | 1,100 | 49 | 0 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

DELPHIA CANAL BELOW HEAD GATE NUMBER 40C 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 9.5 | 20 | 17 | | | |
| 2 | | | | | | 0 | 9.5 | 20 | 17 | | | |
| 3 | | | | | | 0 | 11 | 19 | 17 | | | |
| 4 | | | | | | 0 | 11 | 19 | 17 | | | |
| 5 | | | | | | 0 | 11 | 20 | 17 | | | |
| 6 | | | | | | 0 | 13 | 14 | 18 | | | |
| 7 | | | | | | 0 | 14 | 5.5 | 17 | | | |
| 8 | | | | | | 0 | 16 | 12 | 17 | | | |
| 9 | | | | | | 0 | 18 | 15 | 18 | | | |
| 10 | | | | | | 0 | 19 | 16 | 18 | | | |
| 11 | | | | | | 0 | 20 | 15 | 18 | | | |
| 12 | | | | | | 0 | 20 | 16 | 17 | | | |
| 13 | | | | | | 0 | 20 | 17 | 17 | | | |
| 14 | | | | | | 0 | 20 | 17 | 17 | | | |
| 15 | | | | | | 0 | 22 | 17 | 17 | | | |
| 16 | | | | | | 0 | 24 | 16 | 17 | | | |
| 17 | | | | | | 0 | 24 | 17 | 17 | | | |
| 18 | | | | | | 0 | 22 | 17 | 18 | | | |
| 19 | | | | | | 0 | 24 | 18 | 17 | | | |
| 20 | | | | | | 0 | 22 | 18 | 17 | | | |
| 21 | | | | | | 0 | 24 | 17 | 18 | | | |
| 22 | | | | | | 0 | 25 | 16 | 19 | | | |
| 23 | | | | | | 0 | 26 | 17 | 18 | | | |
| 24 | | | | | | 0 | 25 | 17 | 19 | | | |
| 25 | | | | | | 0 | 25 | 16 | 19 | | | |
| 26 | | | | | | 0 | 25 | 16 | 18 | | | |
| 27 | | | | | | 0 | 25 | 17 | 18 | | | |
| 28 | | | | | | 0 | 25 | 17 | 18 | | | |
| 29 | | | | | | 1.8 | 25 | 17 | 17 | | | |
| 30 | | ------ | | | | 9.5 | 24 | 18 | 18 | | | |
| 31 | | ------ | | ------ | | ------ | 22 | 17 | ------ | | ------ | |
| TOTAL | | | | | 0 | 11.3 | 621.0 | 513.5 | 527 | | | |
| MEAN | | | | | 0 | .38 | 20.0 | 16.6 | 17.6 | | | |
| MAX | | | | | 0 | 9.5 | 26 | 20 | 19 | | | |
| MIN | | | | | 0 | 0 | 9.5 | 5.5 | 17 | | | |
| AC-FT | | | | | 0 | 22 | 1,230 | 1,020 | 1,050 | | | |

40C 03000 North Canal Below Headgate near Musselshell, MT

LOCATION -- Lat 46° 31' 50", long 108° 03' 40", in SW¼ SE¼ NW¼ Sec. 22, T. 9 N., R. 29 E., Musselshell County, on the right bank, 200 ft (61 m) downstream from headgate structure which is 1.5 mi (2.4 km) downstream from point of diversion which is at river mile 163.7 (263.4 km), 2 mi (3 km) east of Musselshell.

DRAINAGE AREA -- Above point of diversion 4,777 sq. mi (12,372 sq. km).

GAGE -- Water stage recorder. Altitude of gage 2,980 ft (908 m) from topography map.

AVERAGE DISCHARGE -- 1967 to 1976 - 4,130 AF/season (5.09 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 67 $ft^3/s$ (1.90 $m^3/s$), August 9, 1975. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 6.2 | 0 | 31 | 14 | | | |
| 2 | | | | | | 6.2 | 0 | 27 | 16 | | | |
| 3 | | | | | | 6.2 | 0 | 14 | 20 | | | |
| 4 | | | | | | 6.2 | 0 | 18 | 16 | | | |
| 5 | | | | | | 6.2 | 0 | 16 | 13 | | | |
| 6 | | | | | | 6.2 | 0 | 11 | 11 | | | |
| 7 | | | | | | 1.8 | 0 | 18 | 8.5 | | | |
| 8 | | | | | | 0 | 0 | 17 | 7.0 | | | |
| 9 | | | | | | 0 | 0 | 21 | 11 | | | |
| 10 | | | | | | 0 | 0 | 35 | 14 | | | |
| 11 | | | | | | 0 | 0 | 43 | 15 | | | |
| 12 | | | | | | 0 | 0 | 33 | 16 | | | |
| 13 | | | | | | 0 | 0 | 28 | 16 | | | |
| 14 | | | | | | 0 | 0 | 30 | 16 | | | |
| 15 | | | | | | 0 | 0 | 30 | 12 | | | |
| 16 | | | | | | 0 | 0 | 28 | 10 | | | |
| 17 | | | | | | 0 | 0 | 30 | 12 | | | |
| 18 | | | | | | 0 | 0 | 22 | 12 | | | |
| 19 | | | | | | 0 | 0 | 12 | 12 | | | |
| 20 | | | | | | 0 | 0 | 9.3 | 12 | | | |
| 21 | | | | | | 0 | 0 | 8.5 | 12 | | | |
| 22 | | | | | | 0 | 0 | 7.8 | 12 | | | |
| 23 | | | | | | 0 | 0 | 15 | 12 | | | |
| 24 | | | | | | 0 | 2.0 | 25 | 11 | | | |
| 25 | | | | | | 0 | 27 | 30 | 11 | | | |
| 26 | | | | | | 0 | 47 | 37 | 9.3 | | | |
| 27 | | | | | | 0 | 37 | 37 | 8.5 | | | |
| 28 | | | | | | 0 | 31 | 41 | 8.5 | | | |
| 29 | | ------ | | | | 0 | 28 | 30 | 7.8 | | | |
| 30 | | ------ | | | | 0 | 21 | 13 | 7.8 | | | |
| 31 | | ------ | | ------ | | ------ | 31 | 14 | ------ | | ------ | |
| TOTAL | | | | | | 39.0 | 224.0 | 731.6 | 363.4 | | | |
| MEAN | | | | | | 1.30 | 7.23 | 23.6 | 12.1 | | | |
| MAX | | | | | | 6.2 | 47 | 43 | 20 | | | |
| MIN | | | | | | 0 | 0 | 7.8 | 7.0 | | | |
| AC-FT | | | | | | 77 | 444 | 1,450 | 721 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 8.6 | 12 | 15 | 27 | 8.5 | | | |
| 2 | | | | | 17 | 14 | 15 | 24 | 9.3 | | | |
| 3 | | | | | 18 | 12 | 15 | 22 | 9.3 | | | |
| 4 | | | | | 19 | 12 | 15 | 22 | 9.3 | | | |
| 5 | | | | | 19 | 12 | 12 | 17 | 9.3 | | | |
| 6 | | | | | 19 | 12 | 8.5 | 12 | 9.3 | | | |
| 7 | | | | | 20 | 13 | 9.3 | 17 | 10 | | | |
| 8 | | | | | 20 | 12 | 10 | 20 | 10 | | | |
| 9 | | | | | 20 | 11 | 16 | 27 | 10 | | | |
| 10 | | | | | 19 | 0 | 22 | 24 | 11 | | | |
| 11 | | | | | 16 | 0 | 22 | 21 | 12 | | | |
| 12 | | | | | 16 | 0 | 26 | 21 | 12 | | | |
| 13 | | | | | 15 | 0 | 27 | 27 | 13 | | | |
| 14 | | | | | 15 | 0 | 26 | 30 | 15 | | | |
| 15 | | | | | 17 | 0 | 30 | 29 | 17 | | | |
| 16 | | | | | 16 | 0 | 58 | 18 | 20 | | | |
| 17 | | | | | 15 | 0 | 44 | 7.8 | 22 | | | |
| 18 | | | | | 16 | 1.2 | 42 | 0 | 24 | | | |
| 19 | | | | | 17 | 16 | 42 | 7.0 | 25 | | | |
| 20 | | | | | 16 | 17 | 44 | 9.3 | 27 | | | |
| 21 | | | | | 17 | 17 | 42 | 9.3 | 14 | | | |
| 22 | | | | | 18 | 17 | 13 | 9.3 | 0 | | | |
| 23 | | | | | 20 | 17 | 11 | 8.5 | 0 | | | |
| 24 | | | | | 20 | 17 | 12 | 8.5 | 10 | | | |
| 25 | | | | | 19 | 17 | 9.3 | 8.5 | 29 | | | |
| 26 | | | | | 18 | 17 | 7.8 | 9.3 | 32 | | | |
| 27 | | | | | 18 | 16 | 10 | 9.3 | 29 | | | |
| 28 | | | | | 21 | 16 | 9.3 | 9.3 | 13 | | | |
| 29 | | | | | 18 | 16 | 13 | 9.3 | 14 | | | |
| 30 | | ------ | | | 13 | 15 | 12 | 9.3 | 14 | | | |
| 31 | | ------ | | ------ | 13 | ------ | 13 | 9.3 | ------ | | ------ | |
| TOTAL | | | | | 533.6 | 309.2 | 651.2 | 482.0 | 438.0 | | | |
| MEAN | | | | | 17.2 | 10.3 | 21.0 | 15.5 | 14.6 | | | |
| MAX | | | | | 21 | 17 | 58 | 30 | 32 | | | |
| MIN | | | | | 8.6 | 0 | 7.8 | 0 | 0 | | | |
| AC-FT | | | | | 1,060 | 613 | 1,290 | 956 | 869 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 11 | 0 | 18 | 15 | | | |
| 2 | | | | | | 12 | 0 | 21 | 14 | | | |
| 3 | | | | | | 14 | 0 | 13 | 15 | | | |
| 4 | | | | | | 14 | 0 | 9.3 | 13 | | | |
| 5 | | | | | | 14 | 0 | 9.3 | 13 | | | |
| 6 | | | | | | 12 | 0 | 20 | 13 | | | |
| 7 | | | | | | 11 | 0 | 30 | 12 | | | |
| 8 | | | | | | 18 | 0 | 27 | 12 | | | |
| 9 | | | | | | 19 | 0 | 26 | 13 | | | |
| 10 | | | | | | 17 | 0 | 20 | 12 | | | |
| 11 | | | | | | 16 | 0 | 22 | 11 | | | |
| 12 | | | | | | 14 | 5.0 | 22 | 11 | | | |
| 13 | | | | | | 10 | 7.0 | 22 | 7.0 | | | |
| 14 | | | | | | 9.3 | 7.0 | 25 | 6.5 | | | |
| 15 | | | | | | 8.5 | 7.0 | 25 | 7.0 | | | |
| 16 | | | | | | 16 | 8.5 | 22 | 6.0 | | | |
| 17 | | | | | | 16 | 7.0 | 20 | 5.5 | | | |
| 18 | | | | | | 15 | 7.0 | 20 | 4.5 | | | |
| 19 | | | | | | 14 | 9.3 | 22 | 4.5 | | | |
| 20 | | | | | | 14 | 13 | 27 | 4.5 | | | |
| 21 | | | | | | 13 | 15 | 18 | 5.0 | | | |
| 22 | | | | | | 13 | 13 | 17 | 6.0 | | | |
| 23 | | | | | | 12 | 15 | 18 | 8.5 | | | |
| 24 | | | | | | 13 | 22 | 16 | 7.4 | | | |
| 25 | | | | | | 14 | 25 | 15 | 0 | | | |
| 26 | | | | | | 4.5 | 24 | 20 | 0 | | | |
| 27 | | | | | | 0 | 30 | 14 | 5.0 | | | |
| 28 | | | | | | 0 | 25 | 12 | 6.0 | | | |
| 29 | | ------ | | | | 0 | 21 | 13 | 7.0 | | | |
| 30 | | ------ | | | | 0 | 25 | 14 | 7.8 | | | |
| 31 | | ------ | | ------ | | ------ | 21 | 14 | ------ | | ------ | |
| TOTAL | | | | | | 344.3 | 306.8 | 591.6 | 252.2 | | | |
| MEAN | | | | | | 11.5 | 9.90 | 19.1 | 8.41 | | | |
| MAX | | | | | | 19 | 30 | 30 | 15 | | | |
| MIN | | | | | | 0 | 0 | 9.3 | 0 | | | |
| AC-FT | | | | | | 683 | 609 | 1,170 | 500 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 10 | 22 | 20 | | | |
| 2 | | | | | | 0 | 9.3 | 16 | 20 | | | |
| 3 | | | | | | 0 | 12 | 22 | 19 | | | |
| 4 | | | | | | 0 | 19 | 22 | 17 | | | |
| 5 | | | | | | 0 | 18 | 22 | 17 | | | |
| 6 | | | | | | 0 | 18 | 27 | 17 | | | |
| 7 | | | | | | 0 | 16 | 22 | 15 | | | |
| 8 | | | | | | 4.3 | 13 | 24 | 15 | | | |
| 9 | | | | | | 7.8 | 17 | 24 | 14 | | | |
| 10 | | | | | | 0 | 22 | 20 | 12 | | | |
| 11 | | | | | | 5.8 | 29 | 24 | 10 | | | |
| 12 | | | | | | 7.0 | 35 | 21 | 6.5 | | | |
| 13 | | | | | | 0 | 38 | 21 | 5.5 | | | |
| 14 | | | | | | 0 | 39 | 25 | 0 | | | |
| 15 | | | | | | 0 | 41 | 22 | 0 | | | |
| 16 | | | | | | 0 | 12 | 20 | 0 | | | |
| 17 | | | | | | 0 | 0 | 19 | 5.0 | | | |
| 18 | | | | | | 0 | 0 | 18 | 0 | | | |
| 19 | | | | | | 0 | 14 | 21 | 0 | | | |
| 20 | | | | | | 0 | 27 | 21 | 0 | | | |
| 21 | | | | | | 0 | 30 | 17 | 0 | | | |
| 22 | | | | | | 0 | 26 | 21 | 0 | | | |
| 23 | | | | | | 2.8 | 26 | 18 | 0 | | | |
| 24 | | | | | | 5.5 | 29 | 18 | 0 | | | |
| 25 | | | | | | 5.0 | 32 | 17 | 0 | | | |
| 26 | | | | | | 5.5 | 32 | 20 | 7.0 | | | |
| 27 | | | | | | 5.5 | 29 | 20 | 10 | | | |
| 28 | | | | | | 5.0 | 27 | 18 | 0 | | | |
| 29 | | ------ | | | | 0 | 27 | 18 | 0 | | | |
| 30 | | ------ | | | | 6.5 | 26 | 19 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 27 | 19 | ------ | | ------ | |
| TOTAL | | | | | | 60.7 | 700.3 | 638 | 210.0 | | | |
| MEAN | | | | | | 2.02 | 22.6 | 20.6 | 7.00 | | | |
| MAX | | | | | | 7.8 | 41 | 27 | 20 | | | |
| MIN | | | | | | 0 | 0 | 16 | 0 | | | |
| AC-FT | | | | | | 120 | 1,390 | 1,270 | 417 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 27 | 33 | 26 | 12 | | | |
| 2 | | | | | 0 | 22 | 28 | 26 | 18 | | | |
| 3 | | | | | 0 | 22 | 36 | 26 | 18 | | | |
| 4 | | | | | 0 | 21 | 39 | 23 | 17 | | | |
| 5 | | | | | 0 | 20 | 39 | 22 | 6.5 | | | |
| 6 | | | | | 0 | 18 | 39 | 20 | 0 | | | |
| 7 | | | | | 2.3 | 18 | 38 | 18 | 0 | | | |
| 8 | | | | | 12 | 18 | 38 | 17 | 0 | | | |
| 9 | | | | | 7.7 | 18 | 26 | 20 | 0 | | | |
| 10 | | | | | 6.5 | 17 | 13 | 25 | 0 | | | |
| 11 | | | | | 5.5 | 17 | 18 | 25 | 0 | | | |
| 12 | | | | | 4.5 | 17 | 22 | 24 | 0 | | | |
| 13 | | | | | 4.5 | 17 | 24 | 18 | 0 | | | |
| 14 | | | | | 5.0 | 17 | 32 | 21 | 0 | | | |
| 15 | | | | | 6.0 | 16 | 33 | 20 | 0 | | | |
| 16 | | | | | 6.0 | 18 | 32 | 22 | 0 | | | |
| 17 | | | | | 6.5 | 17 | 32 | 24 | 0 | | | |
| 18 | | | | | 12 | 17 | 32 | 27 | 0 | | | |
| 19 | | | | | 28 | 18 | 28 | 22 | 0 | | | |
| 20 | | | | | 25 | 16 | 30 | 21 | 0 | | | |
| 21 | | | | | 28 | 14 | 30 | 20 | 0 | | | |
| 22 | | | | | 42 | 8.5 | 30 | 22 | 0 | | | |
| 23 | | | | | 44 | 2.7 | 28 | 24 | 0 | | | |
| 24 | | | | | 39 | 2.7 | 28 | 21 | 0 | | | |
| 25 | | | | | 26 | 15 | 16 | 22 | 0 | | | |
| 26 | | | | | 21 | 39 | 9.2 | 20 | 3.0 | | | |
| 27 | | | | | 25 | 33 | 26 | 19 | 10 | | | |
| 28 | | | | | 20 | 36 | 25 | 21 | 9.2 | | | |
| 29 | | ------ | | | 14 | 38 | 25 | 24 | 9.2 | | | |
| 30 | | ------ | | | 9.2 | 36 | 26 | 25 | 9.2 | | | |
| 31 | | ------ | | ------ | 18 | ------ | 26 | 17 | ------ | | ------ | |
| TOTAL | | | | | 417.7 | 595.9 | 881.2 | 682 | 112.1 | | | |
| MEAN | | | | | 13.5 | 19.9 | 28.4 | 22.0 | 3.74 | | | |
| MAX | | | | | 44 | 39 | 39 | 27 | 18 | | | |
| MIN | | | | | 0 | 2.7 | 9.2 | 17 | 0 | | | |
| AC-FT | | | | | 829 | 1,180 | 1,750 | 1,350 | 222 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 37 | 35 | 3.1 | 0 | | | |
| 2 | | | | | 0 | 32 | 41 | 25 | 0 | | | |
| 3 | | | | | 0 | 39 | 39 | 25 | 0 | | | |
| 4 | | | | | 0 | 32 | 43 | 30 | 0 | | | |
| 5 | | | | | 0 | 21 | 45 | 37 | 0 | | | |
| 6 | | | | | 0 | 22 | 50 | 28 | 0 | | | |
| 7 | | | | | 0 | 24 | 50 | 25 | 0 | | | |
| 8 | | | | | 0 | 24 | 48 | 19 | 0 | | | |
| 9 | | | | | 0 | 0 | 35 | 24 | 0 | | | |
| 10 | | | | | 0 | 0 | 32 | 37 | 0 | | | |
| 11 | | | | | 0 | 7.3 | 30 | 41 | 0 | | | |
| 12 | | | | | 0 | 0 | 33 | 45 | 2.0 | | | |
| 13 | | | | | 0 | 0 | 30 | 35 | 24 | | | |
| 14 | | | | | 11 | 0 | 27 | 25 | 19 | | | |
| 15 | | | | | 9.1 | 0 | 25 | 19 | 16 | | | |
| 16 | | | | | 26 | 8.3 | 24 | 16 | 0 | | | |
| 17 | | | | | 32 | 17 | 27 | 15 | 17 | | | |
| 18 | | | | | 30 | 19 | 37 | 0 | 17 | | | |
| 19 | | | | | 39 | 18 | 35 | 7.2 | 0 | | | |
| 20 | | | | | 35 | 21 | 37 | 0 | 0 | | | |
| 21 | | | | | 15 | 22 | 33 | 0 | 0 | | | |
| 22 | | | | | 5.0 | 16 | 28 | 15 | 0 | | | |
| 23 | | | | | 33 | 17 | 28 | 28 | 0 | | | |
| 24 | | | | | 0 | 27 | 24 | 30 | 0 | | | |
| 25 | | | | | 14 | 43 | 24 | 28 | 0 | | | |
| 26 | | | | | 33 | 45 | 24 | 25 | 13 | | | |
| 27 | | | | | 35 | 33 | 22 | 24 | 24 | | | |
| 28 | | | | | 11 | 27 | 25 | 22 | 24 | | | |
| 29 | | | | | 0 | 35 | 27 | 21 | 22 | | | |
| 30 | | ------ | | | 28 | 33 | 0 | 19 | 18 | | | |
| 31 | | ------ | | ------ | 41 | ------ | 0 | 8.4 | ------ | | ------ | |
| TOTAL | | | | 0 | 397.1 | 619.6 | 958 | 676.7 | 196.0 | | | |
| MEAN | | | | 0 | 12.8 | 20.7 | 30.9 | 21.8 | 6.53 | | | |
| MAX | | | | 0 | 41 | 45 | 50 | 45 | 24 | | | |
| MIN | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 0 | 788 | 1,230 | 1,900 | 1,340 | 389 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 21 | 10 | 0 | 0 | | | |
| 2 | | | | | 0 | 19 | 11 | 0 | 0 | | | |
| 3 | | | | | 0 | 15 | 12 | 17 | 0 | | | |
| 4 | | | | | 0 | 17 | 12 | 32 | 0 | | | |
| 5 | | | | | 0 | 14 | 14 | 37 | 0 | | | |
| 6 | | | | | 0 | 14 | 12 | 37 | 0 | | | |
| 7 | | | | | 0 | 18 | 12 | 45 | 4.7 | | | |
| 8 | | | | | 0 | 22 | 15 | 52 | 10 | | | |
| 9 | | | | | 0 | 22 | 17 | 48 | 0 | | | |
| 10 | | | | | 0 | 21 | 21 | 35 | 0 | | | |
| 11 | | | | | 0 | 24 | 17 | 18 | 0 | | | |
| 12 | | | | | 0 | 27 | 11 | 0 | 0 | | | |
| 13 | | | | | 0 | 25 | 0 | 0 | 0 | | | |
| 14 | | | | | 0 | 25 | 0 | 0 | 0 | | | |
| 15 | | | | | 0 | 30 | 0 | 0 | 0 | | | |
| 16 | | | | | 0 | 33 | 13 | 0 | 0 | | | |
| 17 | | | | | 0 | 43 | 21 | 0 | 0 | | | |
| 18 | | | | | 5.6 | 43 | 21 | 0 | 0 | | | |
| 19 | | | | | 0 | 39 | 30 | 0 | 0 | | | |
| 20 | | | | | 0 | 33 | 27 | 0 | 0 | | | |
| 21 | | | | | 0 | 24 | 32 | 0 | 0 | | | |
| 22 | | | | | 10 | 24 | 33 | 0 | 0 | | | |
| 23 | | | | | 18 | 19 | 35 | 0 | 0 | | | |
| 24 | | | | | 21 | 15 | 28 | 25 | 0 | | | |
| 25 | | | | | 22 | 12 | 28 | 27 | 0 | | | |
| 26 | | | | | 21 | 12 | 28 | 24 | 0 | | | |
| 27 | | | | | 22 | 6.5 | 27 | 24 | 0 | | | |
| 28 | | | | | 25 | 0 | 27 | 22 | 0 | | | |
| 29 | | ------ | | | 25 | 0 | 28 | 17 | 0 | | | |
| 30 | | ------ | | | 24 | 7.7 | 18 | 10 | 0 | | | |
| 31 | | ------ | | ------ | 21 | ------ | 0 | 0 | ------ | | ------ | |
| TOTAL | | | | | 214.6 | 625.2 | 560 | 470 | 14.7 | | | |
| MEAN | | | | | 6.92 | 20.8 | 18.1 | 15.2 | .49 | | | |
| MAX | | | | | 25 | 43 | 35 | 52 | 10 | | | |
| MIN | | | | | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 426 | 1,240 | 1,110 | 932 | 29 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 15 | 27 | 17 | 9.3 | | | |
| 2 | | | | | 0 | 2.0 | 34 | 25 | 9.3 | | | |
| 3 | | | | | 0 | 0 | 35 | 29 | 8.3 | | | |
| 4 | | | | | 0 | 7.8 | 45 | 27 | 8.3 | | | |
| 5 | | | | | 0 | 13 | 43 | 30 | 8.3 | | | |
| 6 | | | | | 0 | 0 | 37 | 32 | 8.3 | | | |
| 7 | | | | | 0 | 0 | 29 | 29 | 4.8 | | | |
| 8 | | | | | 0 | 0 | 24 | 25 | 0 | | | |
| 9 | | | | | 0 | 0 | 29 | 13 | 0 | | | |
| 10 | | | | | 0 | 0 | 23 | 10 | 0 | | | |
| 11 | | | | | 0 | 0 | 23 | 12 | 3.8 | | | |
| 12 | | | | | 0 | 3.3 | 29 | 11 | 0 | | | |
| 13 | | | | | 0 | 15 | 32 | 17 | 0 | | | |
| 14 | | | | | 0 | 11 | 29 | 12 | 0 | | | |
| 15 | | | | | 0 | 2.0 | 27 | 11 | 0 | | | |
| 16 | | | | | 0 | 16 | 27 | 13 | 0 | | | |
| 17 | | | | | 0 | 27 | 21 | 9.3 | 0 | | | |
| 18 | | | | | 0 | 34 | 20 | 0 | 0 | | | |
| 19 | | | | | 0 | 30 | 15 | 0 | 0 | | | |
| 20 | | | | | 0 | 27 | 25 | 0 | 0 | | | |
| 21 | | | | | 0 | 25 | 32 | 0 | 0 | | | |
| 22 | | | | | 0 | 34 | 32 | 0 | 0 | | | |
| 23 | | | | | 0 | 25 | 30 | 0 | 1.8 | | | |
| 24 | | | | | 0 | 15 | 30 | 0 | 7.3 | | | |
| 25 | | | | | 0 | 0 | 29 | 0 | 8.5 | | | |
| 26 | | | | | 0 | 0 | 17 | 0 | 0 | | | |
| 27 | | | | | 0 | 4.3 | 8.3 | 1.5 | 0 | | | |
| 28 | | | | | 7.3 | 15 | 11 | 10 | 0 | | | |
| 29 | | ------ | | | 15 | 41 | 16 | 9.3 | 0 | | | |
| 30 | | ------ | | | 17 | 37 | 17 | 9.3 | 0 | | | |
| 31 | | ------ | | ------ | 16 | ------ | 19 | 9.3 | ------ | | ------ | |
| TOTAL | | | | | 55.3 | 399.4 | 815.3 | 361.7 | 78.0 | | | |
| MEAN | | | | | 1.78 | 13.3 | 26.3 | 11.7 | 2.60 | | | |
| MAX | | | | | 17 | 41 | 45 | 32 | 9.3 | | | |
| MIN | | | | | 0 | 0 | 8.3 | 0 | 0 | | | |
| AC-FT | | | | | 110 | 792 | 1,620 | 717 | 155 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 0 | 17 | 22 | | | |
| 2 | | | | | | 0 | 0 | 18 | 19 | | | |
| 3 | | | | | | 0 | 8.9 | 18 | 19 | | | |
| 4 | | | | | | 12 | 0 | 30 | 19 | | | |
| 5 | | | | | | 18 | 0 | 39 | 19 | | | |
| 6 | | | | | | 0 | 2.3 | 33 | 17 | | | |
| 7 | | | | | | 0 | 21 | 33 | 15 | | | |
| 8 | | | | | | 0 | 24 | 65 | 14 | | | |
| 9 | | | | | | 0 | 21 | 67 | 15 | | | |
| 10 | | | | | | 0 | 30 | 62 | 14 | | | |
| 11 | | | | | | 0 | 33 | 52 | 14 | | | |
| 12 | | | | | | 0 | 32 | 32 | 15 | | | |
| 13 | | | | | | 0 | 27 | 35 | 15 | | | |
| 14 | | | | | | 0 | 28 | 28 | 9.2 | | | |
| 15 | | | | | | 0 | 30 | 22 | 0 | | | |
| 16 | | | | | | 0 | 39 | 19 | 0 | | | |
| 17 | | | | | | 0 | 35 | 25 | 0 | | | |
| 18 | | | | | | 0 | 32 | 22 | 0 | | | |
| 19 | | | | | | 0 | 28 | 16 | 0 | | | |
| 20 | | | | | | 0 | 22 | 7.9 | 0 | | | |
| 21 | | | | | | 0 | 28 | 0 | 0 | | | |
| 22 | | | | | | 0 | 41 | 0 | 0 | | | |
| 23 | | | | | | 4.2 | 24 | 0 | 0 | | | |
| 24 | | | | | | 5.9 | 28 | 11 | 0 | | | |
| 25 | | | | | | 0 | 50 | 18 | 0 | | | |
| 26 | | | | | | 0 | 48 | 18 | 0 | | | |
| 27 | | | | | | 0 | 41 | 19 | 0 | | | |
| 28 | | | | | | 0 | 41 | 25 | 0 | | | |
| 29 | | ------ | | | | 0 | 52 | 25 | 0 | | | |
| 30 | | ------ | | | | 0 | 37 | 25 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 19 | 25 | ------ | | ------ | |
| TOTAL | | | | 0 | 0 | 40.1 | 822.2 | 806.9 | 226.2 | 0 | | |
| MEAN | | | | 0 | 0 | 1.34 | 26.5 | 26.0 | 7.54 | 0 | | |
| MAX | | | | 0 | 0 | 18 | 52 | 67 | 22 | 0 | | |
| MIN | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| AC-FT | | | | 0 | 0 | 80 | 1,630 | 1,600 | 449 | 0 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH CANAL BELOW HEAD GATE NUMBER 40C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 48 | 14 | 35 | 27 | | | |
| 2 | | | | | 0 | 32 | 28 | 39 | 28 | | | |
| 3 | | | | | 0 | 22 | 30 | 45 | 28 | | | |
| 4 | | | | | 0 | 18 | 24 | 45 | 27 | | | |
| 5 | | | | | 0 | 0 | 24 | 27 | 22 | | | |
| 6 | | | | | 0 | 5.7 | 32 | 16 | 22 | | | |
| 7 | | | | | 0 | 15 | 30 | 15 | 27 | | | |
| 8 | | | | | 0 | 0 | 41 | 15 | 37 | | | |
| 9 | | | | | 0 | 14 | 48 | 11 | 50 | | | |
| 10 | | | | | 0 | 12 | 48 | 0 | 48 | | | |
| 11 | | | | | 0 | 0 | 45 | 14 | 39 | | | |
| 12 | | | | | 0 | 0 | 48 | 30 | 33 | | | |
| 13 | | | | | 0 | 0 | 54 | 24 | 25 | | | |
| 14 | | | | | 0 | 0 | 48 | 18 | 24 | | | |
| 15 | | | | | 0 | 0 | 41 | 18 | 24 | | | |
| 16 | | | | | 0 | 0 | 41 | 21 | 24 | | | |
| 17 | | | | | 0 | 0 | 30 | 19 | 24 | | | |
| 18 | | | | | 0 | 0 | 24 | 21 | 22 | | | |
| 19 | | | | | 0 | 0 | 19 | 21 | 11 | | | |
| 20 | | | | | 0 | 0 | 28 | 19 | 0 | | | |
| 21 | | | | | 15 | 0 | 43 | 19 | 3.3 | | | |
| 22 | | | | | 0 | 0 | 50 | 22 | 19 | | | |
| 23 | | | | | 0 | 0 | 57 | 21 | 21 | | | |
| 24 | | | | | 0 | 0 | 57 | 25 | 19 | | | |
| 25 | | | | | 0 | 0 | 43 | 24 | 19 | | | |
| 26 | | | | | 12 | 0 | 24 | 24 | 18 | | | |
| 27 | | | | | 17 | 0 | 21 | 27 | 18 | | | |
| 28 | | | | | 19 | 8.3 | 30 | 27 | 17 | | | |
| 29 | | | | | 22 | 16 | 37 | 25 | 10 | | | |
| 30 | | ------ | | | 15 | 11 | 43 | 25 | 0 | | | |
| 31 | | ------ | | ------ | 32 | ------ | 39 | 27 | ------ | | ------ | |
| TOTAL | | | | | 132 | 202.0 | 1,141 | 719 | 686.3 | | | |
| MEAN | | | | | 4.26 | 6.73 | 36.8 | 23.2 | 22.9 | | | |
| MAX | | | | | 32 | 48 | 57 | 45 | 50 | | | |
| MIN | | | | | 0 | 0 | 14 | 0 | 0 | | | |
| AC-FT | | | | | 262 | 401 | 2,260 | 1,430 | 1,360 | | | |

40C 04000 South Canal Below Headgate near Musselshell, MT

LOCATION -- Lat 46° 31' 50", long 108° 03' 30" in SE¼ SE¼ NW¼ Sec. 22, T. 9 N., R. 29 E., Musselshell County, on the left bank, 300 ft (91 m) downstream from headgate structure which is 1.5 mi (2.4 km ) downstream from point of diversion which is at river mile 163.7 (263.4 km), 2 mi (3 km) east of Musselshell.

DRAINAGE AREA -- Above point of diversion 4,777 sq. mi (12,372 sq. km).

GAGE -- Water stage recorder. Altitude of gage 2,980 ft (908 m) from topography map.

AVERAGE DISCHARGE - 1967 to 1976 - 13,300 AF/season (16.4 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 131 $ft^3/s$ (3.71 $m^3/s$), July 6, 1974. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH CANAL BELOW HEAD GATE NUMBER 40C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 55 | 0 | 75 | 49 | | | |
| 2 | | | | | | 55 | 0 | 79 | 51 | | | |
| 3 | | | | | | 55 | 0 | 79 | 54 | | | |
| 4 | | | | | | 56 | 0 | 79 | 54 | | | |
| 5 | | | | | | 58 | 0 | 73 | 55 | | | |
| 6 | | | | | | 56 | 0 | 69 | 55 | | | |
| 7 | | | | | | 50 | 0 | 73 | 53 | | | |
| 8 | | | | | | 41 | 0 | 71 | 50 | | | |
| 9 | | | | | | 29 | 0 | 59 | 50 | | | |
| 10 | | | | | | 17 | 0 | 56 | 49 | | | |
| 11 | | | | | | 15 | 0 | 59 | 49 | | | |
| 12 | | | | | | 15 | 0 | 56 | 50 | | | |
| 13 | | | | | | 15 | 0 | 55 | 49 | | | |
| 14 | | | | | | 0 | 0 | 55 | 48 | | | |
| 15 | | | | | | 0 | 0 | 55 | 45 | | | |
| 16 | | | | | | 0 | 0 | 55 | 45 | | | |
| 17 | | | | | | 0 | 0 | 55 | 48 | | | |
| 18 | | | | | | 0 | 0 | 59 | 48 | | | |
| 19 | | | | | | 0 | 0 | 59 | 46 | | | |
| 20 | | | | | | 0 | 0 | 56 | 46 | | | |
| 21 | | | | | | 0 | 0 | 55 | 46 | | | |
| 22 | | | | | | 0 | 0 | 55 | 45 | | | |
| 23 | | | | | | 0 | 0 | 55 | 45 | | | |
| 24 | | | | | | 0 | 11 | 58 | 45 | | | |
| 25 | | | | | | 0 | 63 | 56 | 44 | | | |
| 26 | | | | | | 0 | 65 | 53 | 40 | | | |
| 27 | | | | | | 0 | 66 | 53 | 37 | | | |
| 28 | | | | | | 0 | 74 | 53 | 38 | | | |
| 29 | | ------ | | | | 0 | 73 | 53 | 38 | | | |
| 30 | | ------ | | | | 0 | 70 | 50 | 38 | | | |
| 31 | | ------ | | ------ | | ------ | 74 | 50 | ------ | | ------ | |
| TOTAL | | | | | | 517 | 496 | 1,868 | 1,410 | | | |
| MEAN | | | | | | 17.2 | 16.0 | 60.3 | 47.0 | | | |
| MAX | | | | | | 58 | 74 | 79 | 55 | | | |
| MIN | | | | | | 0 | 0 | 50 | 37 | | | |
| AC-FT | | | | | | 1,030 | 984 | 3,710 | 2,800 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH CANAL BELOW HEAD GATE NUMBER 40C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 58 | 22 | 45 | 27 | | | |
| 2 | | | | | 0 | 58 | 22 | 48 | 26 | | | |
| 3 | | | | | 0 | 58 | 22 | 45 | 26 | | | |
| 4 | | | | | 0 | 56 | 22 | 45 | 26 | | | |
| 5 | | | | | 0 | 56 | 22 | 49 | 25 | | | |
| 6 | | | | | 18 | 55 | 27 | 54 | 26 | | | |
| 7 | | | | | 34 | 56 | 25 | 54 | 26 | | | |
| 8 | | | | | 36 | 50 | 25 | 56 | 26 | | | |
| 9 | | | | | 48 | 40 | 28 | 56 | 26 | | | |
| 10 | | | | | 49 | 4.8 | 28 | 59 | 25 | | | |
| 11 | | | | | 53 | 0 | 29 | 59 | 25 | | | |
| 12 | | | | | 53 | 0 | 44 | 59 | 25 | | | |
| 13 | | | | | 51 | 0 | 64 | 53 | 25 | | | |
| 14 | | | | | 49 | 0 | 65 | 50 | 24 | | | |
| 15 | | | | | 51 | 0 | 66 | 48 | 24 | | | |
| 16 | | | | | 51 | 0 | 73 | 56 | 24 | | | |
| 17 | | | | | 51 | 0 | 79 | 49 | 24 | | | |
| 18 | | | | | 53 | 0 | 79 | 37 | 24 | | | |
| 19 | | | | | 53 | 0 | 78 | 34 | 24 | | | |
| 20 | | | | | 50 | 14 | 78 | 32 | 24 | | | |
| 21 | | | | | 53 | 23 | 78 | 31 | 22 | | | |
| 22 | | | | | 66 | 23 | 84 | 31 | 18 | | | |
| 23 | | | | | 66 | 23 | 80 | 31 | 18 | | | |
| 24 | | | | | 68 | 23 | 79 | 29 | 16 | | | |
| 25 | | | | | 66 | 23 | 75 | 30 | 12 | | | |
| 26 | | | | | 63 | 23 | 74 | 31 | 12 | | | |
| 27 | | | | | 63 | 23 | 76 | 29 | 15 | | | |
| 28 | | | | | 60 | 22 | 73 | 29 | 32 | | | |
| 29 | | | | | 60 | 22 | 69 | 29 | 32 | | | |
| 30 | | ------ | | | 58 | 22 | 68 | 28 | 33 | | | |
| 31 | | ------ | | ------ | 58 | ------ | 51 | 27 | ------ | | ------ | |
| TOTAL | | | | | 1,381 | 732.8 | 1,705 | 1,313 | 712 | | | |
| MEAN | | | | | 44.5 | 24.4 | 55.0 | 42.4 | 23.7 | | | |
| MAX | | | | | 68 | 58 | 84 | 59 | 33 | | | |
| MIN | | | | | 0 | 0 | 22 | 27 | 12 | | | |
| AC-FT | | | | | 2,740 | 1,450 | 3,380 | 2,600 | 1,410 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH CANAL BELOW HEAD GATE NUMBER 40C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 72 | 26 | 65 | 40 | | | |
| 2 | | | | | | 72 | 23 | 69 | 40 | | | |
| 3 | | | | | | 68 | 22 | 61 | 44 | | | |
| 4 | | | | | | 72 | 22 | 56 | 42 | | | |
| 5 | | | | | | 72 | 20 | 51 | 42 | | | |
| 6 | | | | | | 68 | 22 | 54 | 42 | | | |
| 7 | | | | | | 54 | 20 | 58 | 42 | | | |
| 8 | | | | | | 49 | 19 | 65 | 40 | | | |
| 9 | | | | | | 54 | 17 | 71 | 38 | | | |
| 10 | | | | | | 59 | 17 | 79 | 38 | | | |
| 11 | | | | | | 58 | 16 | 79 | 38 | | | |
| 12 | | | | | | 58 | 17 | 73 | 38 | | | |
| 13 | | | | | | 58 | 20 | 67 | 40 | | | |
| 14 | | | | | | 54 | 20 | 67 | 44 | | | |
| 15 | | | | | | 51 | 20 | 67 | 45 | | | |
| 16 | | | | | | 45 | 23 | 69 | 44 | | | |
| 17 | | | | | | 44 | 23 | 65 | 40 | | | |
| 18 | | | | | | 58 | 23 | 59 | 38 | | | |
| 19 | | | | | | 56 | 26 | 49 | 37 | | | |
| 20 | | | | | | 54 | 32 | 42 | 35 | | | |
| 21 | | | | | | 52 | 38 | 47 | 34 | | | |
| 22 | | | | | | 54 | 51 | 47 | 32 | | | |
| 23 | | | | | | 51 | 45 | 44 | 28 | | | |
| 24 | | | | | | 51 | 44 | 44 | 29 | | | |
| 25 | | | | | | 51 | 52 | 40 | 40 | | | |
| 26 | | | | | | 34 | 71 | 32 | 40 | | | |
| 27 | | | | | | 29 | 71 | 34 | 35 | | | |
| 28 | | | | | | 31 | 69 | 44 | 34 | | | |
| 29 | | ------ | | | | 28 | 73 | 37 | 34 | | | |
| 30 | | ------ | | | | 25 | 71 | 35 | 34 | | | |
| 31 | | ------ | | ------ | | ------ | 67 | 37 | ------ | | ------ | |
| TOTAL | | | | | | 1,582 | 1,080 | 1,707 | 1,147 | | | |
| MEAN | | | | | | 52.7 | 34.8 | 55.1 | 38.2 | | | |
| MAX | | | | | | 72 | 73 | 79 | 45 | | | |
| MIN | | | | | | 25 | 16 | 32 | 28 | | | |
| AC-FT | | | | | | 3,140 | 2,140 | 3,390 | 2,280 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH CANAL BELOW HEAD GATE NUMBER 40C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 44 | 83 | 51 | | | |
| 2 | | | | | | 0 | 73 | 79 | 51 | | | |
| 3 | | | | | | 16 | 73 | 73 | 51 | | | |
| 4 | | | | | | 46 | 53 | 71 | 49 | | | |
| 5 | | | | | | 36 | 49 | 65 | 49 | | | |
| 6 | | | | | | 44 | 54 | 65 | 49 | | | |
| 7 | | | | | | 56 | 60 | 61 | 47 | | | |
| 8 | | | | | | 56 | 60 | 53 | 47 | | | |
| 9 | | | | | | 67 | 61 | 56 | 47 | | | |
| 10 | | | | | | 61 | 60 | 53 | 46 | | | |
| 11 | | | | | | 63 | 61 | 58 | 44 | | | |
| 12 | | | | | | 63 | 67 | 69 | 40 | | | |
| 13 | | | | | | 54 | 71 | 67 | 37 | | | |
| 14 | | | | | | 28 | 67 | 63 | 34 | | | |
| 15 | | | | | | 15 | 69 | 61 | 33 | | | |
| 16 | | | | | | 18 | 81 | 60 | 31 | | | |
| 17 | | | | | | 20 | 92 | 58 | 28 | | | |
| 18 | | | | | | 17 | 54 | 58 | 28 | | | |
| 19 | | | | | | 15 | 0 | 60 | 27 | | | |
| 20 | | | | | | 12 | 18 | 73 | 27 | | | |
| 21 | | | | | | 11 | 71 | 94 | 27 | | | |
| 22 | | | | | | 9.5 | 73 | 101 | 27 | | | |
| 23 | | | | | | 24 | 77 | 103 | 27 | | | |
| 24 | | | | | | 37 | 73 | 96 | 27 | | | |
| 25 | | | | | | 40 | 77 | 69 | 27 | | | |
| 26 | | | | | | 49 | 79 | 63 | 24 | | | |
| 27 | | | | | | 46 | 77 | 58 | 18 | | | |
| 28 | | | | | | 46 | 75 | 56 | 22 | | | |
| 29 | | ------ | | | | 46 | 75 | 54 | 25 | | | |
| 30 | | ------ | | | | 39 | 77 | 49 | 24 | | | |
| 31 | | ------ | | ------ | | ------ | 79 | 51 | ------ | | ------ | |
| TOTAL | | | | | | 1,034.5 | 2,000 | 2,080 | 1,064 | | | |
| MEAN | | | | | | 34.5 | 64.5 | 67.1 | 35.5 | | | |
| MAX | | | | | | 67 | 92 | 103 | 51 | | | |
| MIN | | | | | | 0 | 0 | 49 | 18 | | | |
| AC-FT | | | | | | 2,050 | 3,970 | 4,130 | 2,110 | | | |

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES OIVISION

SOUTH CANAL BELOW HEAD GATE NUMBER 40C 04000

OISCHARGE, IN CUBIC FEET PER SECONO, CALENOAR YEAR 1971

| OAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 81 | 75 | 69 | 71 | | | |
| 2 | | | | | 0 | 77 | 75 | 69 | 75 | | | |
| 3 | | | | | 0 | 77 | 79 | 67 | 75 | | | |
| 4 | | | | | 0 | 73 | 77 | 67 | 77 | | | |
| 5 | | | | | 0 | 71 | 77 | 65 | 65 | | | |
| 6 | | | | | 0 | 73 | 75 | 63 | 58 | | | |
| 7 | | | | | 0 | 71 | 73 | 60 | 56 | | | |
| 8 | | | | | 0 | 69 | 75 | 60 | 56 | | | |
| 9 | | | | | 0 | 71 | 77 | 58 | 54 | | | |
| 10 | | | | | 0 | 69 | 79 | 52 | 54 | | | |
| 11 | | | | | 0 | 69 | 71 | 63 | 56 | | | |
| 12 | | | | | 0 | 71 | 69 | 83 | 54 | | | |
| 13 | | | | | 0 | 69 | 69 | 77 | 52 | | | |
| 14 | | | | | 0 | 69 | 69 | 75 | 52 | | | |
| 15 | | | | | 0 | 69 | 63 | 71 | 51 | | | |
| 16 | | | | | 0 | 71 | 61 | 73 | 51 | | | |
| 17 | | | | | 0 | 69 | 58 | 60 | 51 | | | |
| 18 | | | | | 0 | 79 | 58 | 46 | 51 | | | |
| 19 | | | | | 7.1 | 85 | 58 | 40 | 51 | | | |
| 20 | | | | | 24 | 85 | 71 | 36 | 49 | | | |
| 21 | | | | | 32 | 75 | 83 | 34 | 49 | | | |
| 22 | | | | | 56 | 60 | 85 | 30 | 49 | | | |
| 23 | | | | | 65 | 44 | 77 | 31 | 49 | | | |
| 24 | | | | | 69 | 44 | 67 | 51 | 49 | | | |
| 25 | | | | | 89 | 51 | 71 | 51 | 49 | | | |
| 26 | | | | | 87 | 69 | 77 | 49 | 42 | | | |
| 27 | | | | | 85 | 79 | 67 | 49 | 32 | | | |
| 28 | | | | | 77 | 81 | 67 | 52 | 32 | | | |
| 29 | | ------ | | | 67 | 81 | 67 | 54 | 32 | | | |
| 30 | | ------ | | | 61 | 79 | 67 | 63 | 32 | | | |
| 31 | | ------ | | ------ | 85 | ------ | 69 | 85 | ------ | | ------ | |
| TOTAL | | | | | 804.1 | 2,131 | 2,206 | 1,803 | 1,574 | | | |
| MEAN | | | | | 25.9 | 71.0 | 71.2 | 58.2 | 52.5 | | | |
| MAX | | | | | 89 | 85 | 85 | 85 | 77 | | | |
| MIN | | | | | 0 | 44 | 58 | 30 | 32 | | | |
| AC-FT | | | | | 1,590 | 4,230 | 4,380 | 3,580 | 3,120 | | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

SOUTH CANAL BELOW HEAO GATE NUMBER 40C 04000

OISCHARGE, IN CUBIC FEET PER SECONO, CALENOAR YEAR 1972

| OAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 60 | 69 | 49 | 58 | | | |
| 2 | | | | | 0 | 67 | 75 | 46 | 56 | | | |
| 3 | | | | | 0 | 71 | 73 | 47 | 56 | | | |
| 4 | | | | | 0 | 69 | 73 | 46 | 54 | | | |
| 5 | | | | | 0 | 65 | 73 | 67 | 53 | | | |
| 6 | | | | | 0 | 67 | 75 | 75 | 49 | | | |
| 7 | | | | | 0 | 65 | 75 | 71 | 47 | | | |
| 8 | | | | | 41 | 67 | 73 | 73 | 46 | | | |
| 9 | | | | | 63 | 49 | 71 | 71 | 42 | | | |
| 10 | | | | | 63 | 56 | 69 | 71 | 37 | | | |
| 11 | | | | | 61 | 58 | 69 | 71 | 37 | | | |
| 12 | | | | | 60 | 65 | 71 | 65 | 36 | | | |
| 13 | | | | | 54 | 56 | 67 | 65 | 47 | | | |
| 14 | | | | | 49 | 54 | 63 | 69 | 44 | | | |
| 15 | | | | | 46 | 58 | 63 | 71 | 40 | | | |
| 16 | | | | | 47 | 69 | 61 | 61 | 37 | | | |
| 17 | | | | | 44 | 67 | 60 | 54 | 37 | | | |
| 18 | | | | | 42 | 61 | 60 | 51 | 40 | | | |
| 19 | | | | | 58 | 54 | 67 | 46 | 37 | | | |
| 20 | | | | | 58 | 60 | 67 | 39 | 34 | | | |
| 21 | | | | | 33 | 73 | 63 | 39 | 30 | | | |
| 22 | | | | | 22 | 87 | 60 | 39 | 28 | | | |
| 23 | | | | | 47 | 79 | 60 | 40 | 27 | | | |
| 24 | | | | | 44 | 63 | 56 | 54 | 27 | | | |
| 25 | | | | | 42 | 63 | 51 | 71 | 27 | | | |
| 26 | | | | | 47 | 63 | 44 | 71 | 25 | | | |
| 27 | | | | | 47 | 61 | 44 | 69 | 25 | | | |
| 28 | | | | | 44 | 67 | 44 | 67 | 24 | | | |
| 29 | | | | | 37 | 69 | 58 | 65 | 22 | | | |
| 30 | | ------ | | | 46 | 67 | 58 | 61 | 21 | | | |
| 31 | | ------ | | ------ | 51 | ------ | 54 | 60 | ------ | | ------ | |
| TOTAL | | | | 0 | 1,146 | 1,930 | 1,966 | 1,844 | 1,143 | | | |
| MEAN | | | | 0 | 37.0 | 64.3 | 63.4 | 59.5 | 38.1 | | | |
| MAX | | | | 0 | 63 | 87 | 75 | 75 | 58 | | | |
| MIN | | | | 0 | 0 | 49 | 44 | 39 | 21 | | | |
| AC-FT | | | | 0 | 2,270 | 3,830 | 3,900 | 3,660 | 2,270 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH CANAL BELOW HEAD GATE NUMBER 40C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 52 | 51 | 21 | 65 | | | |
| 2 | | | | | 0 | 52 | 52 | 18 | 65 | | | |
| 3 | | | | | 0 | 61 | 52 | 14 | 59 | | | |
| 4 | | | | | 0 | 65 | 54 | 18 | 52 | | | |
| 5 | | | | | 0 | 61 | 54 | 23 | 47 | | | |
| 6 | | | | | 0 | 61 | 54 | 21 | 44 | | | |
| 7 | | | | | 0 | 56 | 51 | 23 | 40 | | | |
| 8 | | | | | 0 | 52 | 56 | 24 | 34 | | | |
| 9 | | | | | 0 | 52 | 54 | 21 | 32 | | | |
| 10 | | | | | 0 | 52 | 54 | 14 | 32 | | | |
| 11 | | | | | 0 | 45 | 52 | 23 | 32 | | | |
| 12 | | | | | 0 | 38 | 49 | 35 | 31 | | | |
| 13 | | | | | 0 | 38 | 38 | 31 | 28 | | | |
| 14 | | | | | 0 | 38 | 34 | 25 | 31 | | | |
| 15 | | | | | 0 | 40 | 38 | 25 | 34 | | | |
| 16 | | | | | 0 | 47 | 49 | 18 | 34 | | | |
| 17 | | | | | 0 | 65 | 56 | 6.3 | 34 | | | |
| 18 | | | | | 4.4 | 65 | 59 | 0 | 34 | | | |
| 19 | | | | | 8.8 | 67 | 63 | 0 | 34 | | | |
| 20 | | | | | 8.8 | 73 | 63 | 0 | 34 | | | |
| 21 | | | | | 8.8 | 79 | 67 | 0 | 32 | | | |
| 22 | | | | | 11 | 79 | 71 | 2.0 | 32 | | | |
| 23 | | | | | 13 | 81 | 77 | 23 | 31 | | | |
| 24 | | | | | 13 | 83 | 79 | 51 | 31 | | | |
| 25 | | | | | 13 | 83 | 79 | 79 | 31 | | | |
| 26 | | | | | 13 | 73 | 79 | 77 | 31 | | | |
| 27 | | | | | 18 | 51 | 77 | 77 | 31 | | | |
| 28 | | | | | 42 | 47 | 77 | 75 | 31 | | | |
| 29 | | ------ | | | 38 | 47 | 79 | 73 | 31 | | | |
| 30 | | ------ | | | 37 | 51 | 65 | 65 | 31 | | | |
| 31 | | ------ | | ------ | 44 | ------ | 42 | 61 | ------ | | ------ | |
| TOTAL | | | | | 272.8 | 1,754 | 1,825 | 943.3 | 1,108 | | | |
| MEAN | | | | | 8.80 | 58.5 | 58.9 | 30.4 | 36.9 | | | |
| MAX | | | | | 44 | 83 | 79 | 79 | 65 | | | |
| MIN | | | | | 0 | 38 | 34 | 0 | 28 | | | |
| AC-FT | | | | | 541 | 3,480 | 3,620 | 1,870 | 2,200 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH CANAL BELOW HEAD GATE NUMBER 40C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 50 | 43 | 113 | 70 | 35 | | | |
| 2 | | | | | 24 | 39 | 116 | 82 | 33 | | | |
| 3 | | | | | 36 | 36 | 111 | 84 | 33 | | | |
| 4 | | | | | 45 | 36 | 121 | 82 | 33 | | | |
| 5 | | | | | 56 | 39 | 126 | 86 | 31 | | | |
| 6 | | | | | 58 | 36 | 131 | 88 | 31 | | | |
| 7 | | | | | 60 | 36 | 119 | 88 | 31 | | | |
| 8 | | | | | 56 | 36 | 94 | 88 | 30 | | | |
| 9 | | | | | 47 | 33 | 82 | 82 | 30 | | | |
| 10 | | | | | 39 | 31 | 72 | 70 | 31 | | | |
| 11 | | | | | 27 | 31 | 70 | 74 | 23 | | | |
| 12 | | | | | 23 | 33 | 76 | 90 | 12 | | | |
| 13 | | | | | 41 | 37 | 80 | 88 | 12 | | | |
| 14 | | | | | 56 | 36 | 80 | 82 | 9.0 | | | |
| 15 | | | | | 58 | 36 | 82 | 76 | 0 | | | |
| 16 | | | | | 58 | 39 | 80 | 76 | 0 | | | |
| 17 | | | | | 60 | 37 | 74 | 72 | 0 | | | |
| 18 | | | | | 60 | 37 | 74 | 66 | 0 | | | |
| 19 | | | | | 60 | 36 | 64 | 60 | 0 | | | |
| 20 | | | | | 48 | 33 | 78 | 54 | 0 | | | |
| 21 | | | | | 41 | 31 | 88 | 35 | 0 | | | |
| 22 | | | | | 45 | 37 | 88 | 29 | 0 | | | |
| 23 | | | | | 52 | 37 | 86 | 29 | 4.9 | | | |
| 24 | | | | | 52 | 39 | 86 | 27 | 15 | | | |
| 25 | | | | | 48 | 36 | 84 | 25 | 15 | | | |
| 26 | | | | | 42 | 33 | 70 | 25 | 19 | | | |
| 27 | | | | | 41 | 34 | 58 | 29 | 19 | | | |
| 28 | | | | | 43 | 41 | 60 | 36 | 19 | | | |
| 29 | | ------ | | | 45 | 50 | 64 | 36 | 21 | | | |
| 30 | | ------ | | | 47 | 96 | 70 | 35 | 21 | | | |
| 31 | | ------ | | ------ | 43 | ------ | 74 | 35 | ------ | | ------ | |
| TOTAL | | | | | 1,461 | 1,154 | 2,671 | 1,899 | 507.9 | | | |
| MEAN | | | | | 47.1 | 38.5 | 86.2 | 61.3 | 16.9 | | | |
| MAX | | | | | 60 | 96 | 131 | 90 | 35 | | | |
| MIN | | | | | 23 | 31 | 58 | 25 | 0 | | | |
| AC-FT | | | | | 2,900 | 2,290 | 5,300 | 3,770 | 1,010 | | | |

MONTANA OERT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

SOUTH CANAL 8ELOW HEAO GATE NUM8ER 40C 04000

OISCHARGE, IN CU8IC FEET PER SECONO, CALENOAR YEAR 1975

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SER | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 11 | 111 | 36 | 21 | | |
| 2 | | | | | | 0 | 12 | 114 | 35 | 21 | | |
| 3 | | | | | | 0 | 74 | 111 | 33 | 21 | | |
| 4 | | | | | | 0 | 101 | 109 | 33 | 21 | | |
| 5 | | | | | | 12 | 101 | 86 | 33 | 21 | | |
| 6 | | | | | | 15 | 99 | 78 | 33 | 21 | | |
| 7 | | | | | | 33 | 104 | 86 | 30 | 21 | | |
| 8 | | | | | | 48 | 106 | 86 | 30 | 21 | | |
| 9 | | | | | | 56 | 88 | 84 | 29 | 21 | | |
| 10 | | | | | | 64 | 36 | 86 | 29 | 21 | | |
| 11 | | | | | | 48 | 54 | 86 | 33 | 21 | | |
| 12 | | | | | | 44 | 78 | 88 | 36 | 11 | | |
| 13 | | | | | | 54 | 70 | 92 | 36 | 0 | | |
| 14 | | | | | | 56 | 70 | 94 | 32 | 0 | | |
| 15 | | | | | | 50 | 86 | 96 | 27 | 0 | | |
| 16 | | | | | | 47 | 96 | 96 | 27 | 0 | | |
| 17 | | | | | | 44 | 94 | 88 | 27 | 0 | | |
| 18 | | | | | | 42 | 90 | 66 | 26 | 6.2 | | |
| 19 | | | | | | 39 | 88 | 58 | 26 | 14 | | |
| 20 | | | | | | 33 | 82 | 56 | 24 | 9.0 | | |
| 21 | | | | | | 29 | 88 | 50 | 21 | 9.0 | | |
| 22 | | | | | | 30 | 86 | 50 | 21 | 9.0 | | |
| 23 | | | | | | 26 | 90 | 50 | 23 | 8.0 | | |
| 24 | | | | | | 20 | 86 | 47 | 23 | 8.0 | | |
| 25 | | | | | | 12 | 84 | 44 | 21 | 3.0 | | |
| 26 | | | | | | 12 | 86 | 44 | 21 | 0 | | |
| 27 | | | | | | 14 | 86 | 42 | 21 | 0 | | |
| 28 | | | | | | 14 | 94 | 38 | 21 | 0 | | |
| 29 | | ------ | | | | 12 | 106 | 38 | 21 | 0 | | |
| 30 | | ------ | | | | 11 | 111 | 38 | 21 | 0 | | |
| 31 | | ------ | | ------ | | ------ | 111 | 38 | ------ | 0 | | ------ |
| TOTAL | | | | 0 | 0 | 865 | 2,568 | 2,250 | 829 | 308.2 | | |
| MEAN | | | | 0 | 0 | 28.8 | 82.8 | 72.6 | 27.6 | 9.94 | | |
| MAX | | | | 0 | 0 | 64 | 111 | 114 | 36 | 21 | | |
| MIN | | | | 0 | 0 | 0 | 11 | 38 | 21 | 0 | | |
| AC-FT | | | | 0 | 0 | 1,720 | 5,090 | 4,460 | 1,640 | 611 | | |

MONTANA OERT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

SOUTH CANAL 8ELOW HEAO GATE NUM8ER 40C 04000

OISCHARGE, IN CU8IC FEET RER SECONO, CALENOAR YEAR 1976

| OAY | JAN | FE8 | MAR | ARR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 89 | 48 | 71 | 63 | | | |
| 2 | | | | | 0 | 89 | 56 | 73 | 61 | | | |
| 3 | | | | | 0 | 91 | 59 | 75 | 87 | | | |
| 4 | | | | | 0 | 87 | 61 | 73 | 113 | | | |
| 5 | | | | | 0 | 79 | 71 | 63 | 109 | | | |
| 6 | | | | | 0 | 91 | 79 | 54 | 101 | | | |
| 7 | | | | | 0 | 0 | 79 | 54 | 99 | | | |
| 8 | | | | | 0 | 31 | 79 | 54 | 83 | | | |
| 9 | | | | | 0 | 59 | 79 | 51 | 61 | | | |
| 10 | | | | | 0 | 61 | 79 | 50 | 57 | | | |
| 11 | | | | | 0 | 39 | 81 | 54 | 53 | | | |
| 12 | | | | | 0 | 39 | 87 | 59 | 54 | | | |
| 13 | | | | | 0 | 38 | 93 | 71 | 54 | | | |
| 14 | | | | | 0 | 36 | 93 | 77 | 54 | | | |
| 15 | | | | | 4.9 | 35 | 99 | 73 | 54 | | | |
| 16 | | | | | 18 | 33 | 99 | 59 | 54 | | | |
| 17 | | | | | 13 | 32 | 97 | 57 | 54 | | | |
| 18 | | | | | 14 | 30 | 89 | 59 | 53 | | | |
| 19 | | | | | 20 | 30 | 99 | 59 | 47 | | | |
| 20 | | | | | 26 | 30 | 105 | 57 | 39 | | | |
| 21 | | | | | 32 | 29 | 99 | 57 | 38 | | | |
| 22 | | | | | 41 | 33 | 99 | 59 | 33 | | | |
| 23 | | | | | 42 | 38 | 99 | 63 | 33 | | | |
| 24 | | | | | 42 | 33 | 97 | 61 | 32 | | | |
| 25 | | | | | 42 | 26 | 103 | 61 | 32 | | | |
| 26 | | | | | 42 | 23 | 103 | 61 | 33 | | | |
| 27 | | | | | 44 | 21 | 89 | 63 | 32 | | | |
| 28 | | | | | 50 | 33 | 87 | 63 | 32 | | | |
| 29 | | | | | 59 | 45 | 83 | 61 | 30 | | | |
| 30 | | ------ | | | 59 | 44 | 79 | 61 | 30 | | | |
| 31 | | ------ | | ------ | 69 | ------ | 77 | 63 | ------ | | | ------ |
| TOTAL | | | | | 617.9 | 1,344 | 2,647 | 1,916 | 1,675 | | | |
| MEAN | | | | | 19.9 | 44.8 | 85.4 | 61.8 | 55.8 | | | |
| MAX | | | | | 69 | 91 | 105 | 77 | 113 | | | |
| MIN | | | | | 0 | 0 | 48 | 50 | 30 | | | |
| AC-FT | | | | | 1,230 | 2,670 | 5,250 | 3,800 | 3,320 | | | |

41C 03000 Vigilante Canal Below Headgate near Alder, MT

LOCATION -- Lat 45° 15' 40", long 112° 06' 00", in SE¼ NE¼ NW¼ Sec. 4, T. 7 S., R. 4 W., Madison County, on left bank, 0.1 mi. (0.2 km) downstream from diversion headgate which is 0.7 mi (1.1 km) downstream from point of diversion which is at river mile 47.0 (75.6 km), 5 mi (8 km) south of Alder.

DRAINAGE AREA -- Above point of diversion 597 sq. mi (1,546 sq. km).

GAGE -- Water stage recorder. Altitude of gage 5,260 ft (1,603 m) from topography maps.

AVERAGE DISCHARGE -- 1963 to 1976 - 25,800 AF/season (31.8 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 182 $ft^3/s$ (5.14 $m^3/s$), August 9, 1969. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1963

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 106 | 42 | 141 | 100 | | | |
| 2 | | | | | | 109 | 0 | 141 | 102 | | | |
| 3 | | | | | | 109 | 0 | 141 | 98 | | | |
| 4 | | | | | | 109 | 0 | 141 | 83 | | | |
| 5 | | | | | | 109 | 0 | 141 | 65 | | | |
| 6 | | | | | | 113 | 0 | 141 | 57 | | | |
| 7 | | | | | | 116 | 0 | 141 | 59 | | | |
| 8 | | | | | | 116 | 0 | 141 | 60 | | | |
| 9 | | | | | | 116 | 0 | 146 | 61 | | | |
| 10 | | | | | | 116 | 0 | 146 | 60 | | | |
| 11 | | | | | | 116 | 0 | 146 | 60 | | | |
| 12 | | | | | | 116 | 0 | 146 | 58 | | | |
| 13 | | | | | | 112 | 0 | 146 | 58 | | | |
| 14 | | | | | | 97 | 41 | 146 | 58 | | | |
| 15 | | | | | | 97 | 38 | 146 | 55 | | | |
| 16 | | | | | | 92 | 41 | 146 | 55 | | | |
| 17 | | | | | | 86 | 53 | 137 | 53 | | | |
| 18 | | | | | | 86 | 71 | 133 | 53 | | | |
| 19 | | | | | | 86 | 79 | 133 | 50 | | | |
| 20 | | | | | | 86 | 89 | 137 | 38 | | | |
| 21 | | | | | | 86 | 100 | 137 | 31 | | | |
| 22 | | | | | | 76 | 109 | 139 | 31 | | | |
| 23 | | | | | | 69 | 109 | 143 | 31 | | | |
| 24 | | | | | | 71 | 109 | 145 | 31 | | | |
| 25 | | | | | | 71 | 113 | 141 | 29 | | | |
| 26 | | | | | | 58 | 116 | 133 | 29 | | | |
| 27 | | | | | | 50 | 116 | 133 | 34 | | | |
| 28 | | | | | | 50 | 123 | 134 | 34 | | | |
| 29 | | ------ | | | | 50 | 133 | 106 | 31 | | | |
| 30 | | ------ | | | | 50 | 141 | 115 | 29 | | | |
| 31 | | ------ | | ------ | | ------ | 141 | 104 | ------ | | ------ | |
| TOTAL | | | | | | 2,724 | 1,764 | 4,266 | 1,593 | | | |
| MEAN | | | | | | 90.8 | 56.9 | 138 | 53.1 | | | |
| MAX | | | | | | 116 | 141 | 146 | 102 | | | |
| MIN | | | | | | 50 | 0 | 104 | 29 | | | |
| AC-FT | | | | | | 5,400 | 3,500 | 8,460 | 3,160 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1964

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 100 | 69 | 127 | 41 | 106 | | |
| 2 | | | | | | 106 | 74 | 123 | 34 | 109 | | |
| 3 | | | | | | 116 | 74 | 119 | 31 | 109 | | |
| 4 | | | | | | 123 | 74 | 119 | 27 | 109 | | |
| 5 | | | | | | 123 | 74 | 116 | 29 | 106 | | |
| 6 | | | | | | 123 | 74 | 116 | 31 | 106 | | |
| 7 | | | | | | 123 | 74 | 123 | 31 | 109 | | |
| 8 | | | | | | 119 | 74 | 137 | 34 | 109 | | |
| 9 | | | | | | 106 | 37 | 132 | 38 | 100 | | |
| 10 | | | | | | 97 | 0 | 132 | 41 | 84 | | |
| 11 | | | | | | 97 | 0 | 132 | 62 | 71 | | |
| 12 | | | | | | 97 | 0 | 123 | 76 | 68 | | |
| 13 | | | | | | 97 | 0 | 119 | 62 | 67 | | |
| 14 | | | | | | 97 | 0 | 132 | 53 | 67 | | |
| 15 | | | | | | 97 | 0 | 132 | 58 | 68 | | |
| 16 | | | | | | 89 | 27 | 132 | 60 | 68 | | |
| 17 | | | | | | 81 | 62 | 132 | 62 | 68 | | |
| 18 | | | | | | 62 | 67 | 137 | 76 | 67 | | |
| 19 | | | | | | 58 | 69 | 132 | 81 | 62 | | |
| 20 | | | | | | 58 | 92 | 119 | 84 | 60 | | |
| 21 | | | | | | 58 | 97 | 88 | 92 | 55 | | |
| 22 | | | | | | 55 | 97 | 79 | 100 | 48 | | |
| 23 | | | | | | 55 | 103 | 76 | 103 | 48 | | |
| 24 | | | | | | 53 | 109 | 76 | 97 | 43 | | |
| 25 | | | | | | 53 | 109 | 67 | 103 | 41 | | |
| 26 | | | | | | 53 | 109 | 53 | 106 | 38 | | |
| 27 | | | | | | 53 | 112 | 64 | 109 | 36 | | |
| 28 | | | | | | 60 | 116 | 64 | 106 | 34 | | |
| 29 | | | | | | 60 | 116 | 67 | 106 | 34 | | |
| 30 | | ------ | | | | 60 | 119 | 58 | 109 | 34 | | |
| 31 | | ------ | | ------ | | ------ | 123 | 45 | ------ | 20 | ------ | |
| TOTAL | | | | | | 2,529 | 2,151 | 3,271 | 2,042 | 2,144 | | |
| MEAN | | | | | | 84.3 | 69.4 | 106 | 68.1 | 69.2 | | |
| MAX | | | | | | 123 | 123 | 137 | 109 | 109 | | |
| MIN | | | | | | 53 | 0 | 45 | 27 | 20 | | |
| AC-FT | | | | | | 5,020 | 4,270 | 6,490 | 4,050 | 4,250 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 15 | 92 | 84 | 106 | 58 | 20 | | |
| 2 | | | | | 15 | 97 | 84 | 103 | 55 | 27 | | |
| 3 | | | | | 15 | 103 | 35 | 103 | 25 | 27 | | |
| 4 | | | | | 15 | 106 | 0 | 103 | 0 | 36 | | |
| 5 | | | | | 15 | 109 | 0 | 103 | 25 | 43 | | |
| 6 | | | | | 15 | 109 | 0 | 103 | 48 | 43 | | |
| 7 | | | | | 15 | 112 | 0 | 106 | 53 | 43 | | |
| 8 | | | | | 12 | 116 | 0 | 106 | 60 | 43 | | |
| 9 | | | | | 13 | 116 | 0 | 112 | 60 | 43 | | |
| 10 | | | | | 15 | 119 | 0 | 119 | 62 | 43 | | |
| 11 | | | | | 20 | 119 | 0 | 119 | 62 | 48 | | |
| 12 | | | | | 22 | 119 | 38 | 119 | 62 | 58 | | |
| 13 | | | | | 24 | 123 | 38 | 119 | 62 | 62 | | |
| 14 | | | | | 31 | 119 | 38 | 119 | 62 | 62 | | |
| 15 | | | | | 34 | 119 | 38 | 119 | 62 | 67 | | |
| 16 | | | | | 34 | 112 | 48 | 116 | 60 | 69 | | |
| 17 | | | | | 36 | 103 | 62 | 106 | 48 | 67 | | |
| 18 | | | | | 38 | 103 | 53 | 100 | 43 | 60 | | |
| 19 | | | | | 38 | 100 | 41 | 88 | 43 | 53 | | |
| 20 | | | | | 41 | 97 | 20 | 81 | 43 | 53 | | |
| 21 | | | | | 45 | 97 | 36 | 81 | 43 | 53 | | |
| 22 | | | | | 48 | 97 | 58 | 79 | 41 | 53 | | |
| 23 | | | | | 50 | 94 | 60 | 76 | 36 | 53 | | |
| 24 | | | | | 53 | 94 | 60 | 76 | 36 | 53 | | |
| 25 | | | | | 67 | 94 | 60 | 76 | 36 | 53 | | |
| 26 | | | | | 74 | 94 | 67 | 69 | 36 | 50 | | |
| 27 | | | | | 79 | 94 | 81 | 62 | 36 | 50 | | |
| 28 | | | | | 79 | 94 | 94 | 62 | 24 | 50 | | |
| 29 | | ------ | | | 81 | 94 | 109 | 60 | 18 | 45 | | |
| 30 | | ------ | | | 84 | 86 | 116 | 58 | 15 | 15 | | |
| 31 | | ------ | | ------ | 86 | ------ | 116 | 58 | ------ | 0 | ------ | |
| TOTAL | | | | | 1,209 | 3,131 | 1,436 | 2,907 | 1,314 | 1,442 | | |
| MEAN | | | | | 39.0 | 104 | 46.3 | 93.8 | 43.8 | 46.5 | | |
| MAX | | | | | 86 | 123 | 116 | 119 | 62 | 69 | | |
| MIN | | | | | 12 | 86 | 0 | 58 | 0 | 0 | | |
| AC-FT | | | | | 2,400 | 6,210 | 2,850 | 5,770 | 2,610 | 2,860 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 26 | 111 | 84 | 106 | 79 | 17 | | |
| 2 | | | | | 30 | 111 | 84 | 106 | 62 | 17 | | |
| 3 | | | | | 30 | 111 | 53 | 106 | 41 | 17 | | |
| 4 | | | | | 26 | 111 | 0 | 106 | 45 | 17 | | |
| 5 | | | | | 30 | 111 | 0 | 106 | 65 | 17 | | |
| 6 | | | | | 36 | 111 | 0 | 106 | 74 | 17 | | |
| 7 | | | | | 40 | 111 | 0 | 106 | 74 | 17 | | |
| 8 | | | | | 45 | 111 | 0 | 106 | 77 | 17 | | |
| 9 | | | | | 50 | 111 | 0 | 106 | 77 | 17 | | |
| 10 | | | | | 55 | 111 | 0 | 106 | 77 | 17 | | |
| 11 | | | | | 60 | 106 | 0 | 106 | 77 | 17 | | |
| 12 | | | | | 65 | 90 | 0 | 106 | 79 | 17 | | |
| 13 | | | | | 69 | 82 | 28 | 106 | 77 | 17 | | |
| 14 | | | | | 74 | 82 | 74 | 106 | 77 | 17 | | |
| 15 | | | | | 79 | 82 | 72 | 108 | 67 | 17 | | |
| 16 | | | | | 84 | 82 | 79 | 108 | 50 | 17 | | |
| 17 | | | | | 90 | 82 | 92 | 106 | 50 | 17 | | |
| 18 | | | | | 92 | 90 | 92 | 100 | 50 | 17 | | |
| 19 | | | | | 97 | 100 | 97 | 95 | 50 | 17 | | |
| 20 | | | | | 100 | 106 | 108 | 95 | 50 | 17 | | |
| 21 | | | | | 100 | 114 | 108 | 97 | 50 | 17 | | |
| 22 | | | | | 97 | 114 | 108 | 97 | 50 | 17 | | |
| 23 | | | | | 100 | 97 | 108 | 97 | 50 | 17 | | |
| 24 | | | | | 106 | 84 | 108 | 97 | 50 | 17 | | |
| 25 | | | | | 114 | 82 | 108 | 87 | 50 | 17 | | |
| 26 | | | | | 120 | 82 | 108 | 74 | 50 | 17 | | |
| 27 | | | | | 120 | 82 | 108 | 74 | 36 | 17 | | |
| 28 | | | | | 120 | 82 | 108 | 74 | 17 | 17 | | |
| 29 | | ------ | | | 120 | 82 | 108 | 62 | 17 | 17 | | |
| 30 | | ------ | | | 120 | 84 | 108 | 21 | 17 | 17 | | |
| 31 | | ------ | | ------ | 114 | ------ | 106 | 77 | ------ | 17 | ------ | |
| TOTAL | | | | | 2,409 | 2,915 | 2,049 | 2,953 | 1,685 | 527 | | |
| MEAN | | | | | 77.7 | 97.2 | 66.1 | 95.3 | 56.2 | 17.0 | | |
| MAX | | | | | 120 | 114 | 108 | 108 | 79 | 17 | | |
| MIN | | | | | 26 | 82 | 0 | 21 | 17 | 17 | | |
| AC-FT | | | | | 4,780 | 5,780 | 4,060 | 5,860 | 3,340 | 1,050 | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

VIGILANTE CANAL BELOW HEAO GATE NUM8ER 41C 03000

DISCHARGE, IN CU8IC FEET PER SECOND, CALENDAR YEAR 1967

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 92 | 95 | 100 | 100 | | | |
| 2 | | | | | | 92 | 72 | 111 | 103 | | | |
| 3 | | | | | | 92 | 56 | 111 | 103 | | | |
| 4 | | | | | | 92 | 0 | 100 | 100 | | | |
| 5 | | | | | | 92 | 0 | 79 | 103 | | | |
| 6 | | | | | | 92 | 0 | 82 | 103 | | | |
| 7 | | | | | | 92 | 0 | 87 | 103 | | | |
| 8 | | | | | | 95 | 0 | 114 | 103 | | | |
| 9 | | | | | | 97 | 0 | 103 | 103 | | | |
| 10 | | | | | | 97 | 0 | 95 | 103 | | | |
| 11 | | | | | | 97 | 0 | 95 | 97 | | | |
| 12 | | | | | | 97 | 0 | 97 | 95 | | | |
| 13 | | | | | | 97 | 36 | 100 | 95 | | | |
| 14 | | | | | | 97 | 63 | 95 | 92 | | | |
| 15 | | | | | | 97 | 0 | 95 | 87 | | | |
| 16 | | | | | | 97 | 0 | 103 | 87 | | | |
| 17 | | | | | | 97 | 0 | 117 | 82 | | | |
| 18 | | | | | | 100 | 0 | 126 | 77 | | | |
| 19 | | | | | | 100 | 43 | 123 | 77 | | | |
| 20 | | | | | | 100 | 48 | 120 | 77 | | | |
| 21 | | | | | | 106 | 48 | 117 | 79 | | | |
| 22 | | | | | | 108 | 45 | 117 | 79 | | | |
| 23 | | | | | | 103 | 52 | 123 | 82 | | | |
| 24 | | | | | | 103 | 67 | 123 | 84 | | | |
| 25 | | | | | | 103 | 72 | 120 | 87 | | | |
| 26 | | | | | | 103 | 72 | 114 | 90 | | | |
| 27 | | | | | | 103 | 69 | 108 | 97 | | | |
| 28 | | | | | | 103 | 79 | 108 | 97 | | | |
| 29 | | ------ | | | | 103 | 97 | 106 | 100 | | | |
| 30 | | ------ | | | | 103 | 97 | 103 | 100 | | | |
| 31 | | ------ | | ------ | | ------ | 97 | 97 | ------ | | ------ | |
| TOTAL | | | | | | 2,950 | 1,208 | 3,289 | 2,785 | | | |
| MEAN | | | | | | 98.3 | 39.0 | 106 | 92.8 | | | |
| MAX | | | | | | 108 | 97 | 126 | 103 | | | |
| MIN | | | | | | 92 | 0 | 79 | 77 | | | |
| AC-FT | | | | | | 5,850 | 2,400 | 6,520 | 5,520 | | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

VIGILANTE CANAL 8ELOW HEAO GATE NUM8ER 41C 03000

OISCHARGE, IN CU8IC FEET PER SECOND, CALENDAR YEAR 1968

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 103 | 108 | 117 | 74 | 67 | | |
| 2 | | | | | 0 | 106 | 108 | 117 | 72 | 60 | | |
| 3 | | | | | 0 | 108 | 108 | 117 | 72 | 55 | | |
| 4 | | | | | 0 | 108 | 108 | 117 | 69 | 55 | | |
| 5 | | | | | 0 | 111 | 103 | 117 | 69 | 55 | | |
| 6 | | | | | 0 | 106 | 100 | 117 | 67 | 55 | | |
| 7 | | | | | 0 | 106 | 88 | 117 | 67 | 55 | | |
| 8 | | | | | 0 | 108 | 0 | 117 | 67 | 55 | | |
| 9 | | | | | 0 | 108 | 0 | 114 | 65 | 55 | | |
| 10 | | | | | 0 | 108 | 0 | 114 | 65 | 55 | | |
| 11 | | | | | 0 | 108 | 0 | 117 | 62 | 55 | | |
| 12 | | | | | 0 | 108 | 0 | 120 | 62 | 48 | | |
| 13 | | | | | 0 | 108 | 0 | 120 | 65 | 45 | | |
| 14 | | | | | 3.5 | 106 | 0 | 117 | 62 | 45 | | |
| 15 | | | | | 19 | 103 | 9.9 | 117 | 62 | 45 | | |
| 16 | | | | | 36 | 103 | 24 | 117 | 65 | 45 | | |
| 17 | | | | | 41 | 103 | 41 | 117 | 65 | 43 | | |
| 18 | | | | | 45 | 106 | 48 | 117 | 67 | 19 | | |
| 19 | | | | | 43 | 106 | 57 | 111 | 67 | 0 | | |
| 20 | | | | | 43 | 103 | 60 | 111 | 69 | 0 | | |
| 21 | | | | | 65 | 100 | 72 | 108 | 69 | 0 | | |
| 22 | | | | | 67 | 97 | 79 | 103 | 69 | 0 | | |
| 23 | | | | | 72 | 97 | 90 | 100 | 62 | 0 | | |
| 24 | | | | | 74 | 100 | 97 | 92 | 60 | 0 | | |
| 25 | | | | | 74 | 103 | 103 | 84 | 62 | 0 | | |
| 26 | | | | | 74 | 103 | 103 | 82 | 62 | 0 | | |
| 27 | | | | | 79 | 108 | 106 | 79 | 65 | 0 | | |
| 28 | | | | | 87 | 111 | 106 | 79 | 65 | 0 | | |
| 29 | | | | | 92 | 111 | 111 | 77 | 65 | 0 | | |
| 30 | | ------ | | | 97 | 108 | 114 | 74 | 67 | 0 | | |
| 31 | | ------ | | ------ | 97 | ------ | 117 | 74 | ------ | 0 | ------ | |
| TOTAL | | | | | 1,108.5 | 3,164 | 2,060.9 | 3,280 | 1,979 | 912 | | |
| MEAN | | | | | 35.8 | 105 | 66.5 | 106 | 66.0 | 29.4 | | |
| MAX | | | | | 97 | 111 | 117 | 120 | 74 | 67 | | |
| MIN | | | | | 0 | 97 | 0 | 74 | 60 | 0 | | |
| AC-FT | | | | | 2,200 | 6,280 | 4,090 | 6,510 | 3,930 | 1,810 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 105 | 48 | 160 | 0 | 70 | | |
| 2 | | | | | | 52 | 20 | 167 | 0 | 70 | | |
| 3 | | | | | | 0 | 0 | 175 | 0 | 70 | | |
| 4 | | | | | | 0 | 0 | 175 | 14 | 70 | | |
| 5 | | | | | | 0 | 0 | 175 | 46 | 73 | | |
| 6 | | | | | | 0 | 0 | 175 | 90 | 43 | | |
| 7 | | | | | | 0 | 0 | 175 | 97 | 0 | | |
| 8 | | | | | | 0 | 0 | 175 | 109 | 0 | | |
| 9 | | | | | | 56 | 0 | 182 | 114 | 0 | | |
| 10 | | | | | | 135 | 0 | 175 | 119 | 0 | | |
| 11 | | | | | | 135 | 0 | 175 | 124 | 0 | | |
| 12 | | | | | | 135 | 0 | 175 | 124 | 0 | | |
| 13 | | | | | | 135 | 6.0 | 175 | 124 | 0 | | |
| 14 | | | | | | 129 | 38 | 175 | 135 | 0 | | |
| 15 | | | | | | 124 | 38 | 175 | 129 | 0 | | |
| 16 | | | | | | 124 | 38 | 175 | 135 | 0 | | |
| 17 | | | | | | 124 | 38 | 169 | 135 | 0 | | |
| 18 | | | | | | 124 | 42 | 160 | 129 | 0 | | |
| 19 | | | | | | 129 | 90 | 141 | 135 | 0 | | |
| 20 | | | | | | 124 | 90 | 141 | 141 | 0 | | |
| 21 | | | | | | 124 | 97 | 135 | 129 | 0 | | |
| 22 | | | | | | 124 | 129 | 124 | 114 | 0 | | |
| 23 | | | | | | 124 | 129 | 119 | 114 | 0 | | |
| 24 | | | | | | 124 | 129 | 114 | 114 | 0 | | |
| 25 | | | | | | 124 | 135 | 114 | 114 | 0 | | |
| 26 | | | | | | 114 | 147 | 109 | 105 | 0 | | |
| 27 | | | | | | 109 | 147 | 101 | 97 | 0 | | |
| 28 | | | | | | 79 | 147 | 109 | 90 | 0 | | |
| 29 | | ------ | | | | 50 | 153 | 109 | 86 | 0 | | |
| 30 | | ------ | | | | 48 | 160 | 68 | 76 | 0 | | |
| 31 | | ------ | | ------ | | ------ | 160 | 0 | ------ | 0 | ------ | |
| TOTAL | | | | | | 2,651 | 1,981.0 | 4,497 | 2,939 | 396 | | |
| MEAN | | | | | | 88.4 | 63.9 | 145 | 98.0 | 12.8 | | |
| MAX | | | | | | 135 | 160 | 182 | 141 | 73 | | |
| MIN | | | | | | 0 | 0 | 0 | 0 | 0 | | |
| AC-FT | | | | | | 5,260 | 3,930 | 8,920 | 5,830 | 785 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 13 | 94 | 94 | 98 | 131 | | | |
| 2 | | | | | 11 | 101 | 94 | 98 | 127 | | | |
| 3 | | | | | 11 | 84 | 36 | 98 | 119 | | | |
| 4 | | | | | 9.5 | 58 | 0 | 98 | 112 | | | |
| 5 | | | | | 6.5 | 119 | 0 | 108 | 108 | | | |
| 6 | | | | | 5.0 | 119 | 0 | 112 | 101 | | | |
| 7 | | | | | 5.0 | 123 | 0 | 119 | 101 | | | |
| 8 | | | | | 3.0 | 127 | 0 | 119 | 91 | | | |
| 9 | | | | | 1.0 | 131 | 0 | 123 | 82 | | | |
| 10 | | | | | 16 | 131 | 0 | 131 | 85 | | | |
| 11 | | | | | 40 | 127 | 0 | 123 | 88 | | | |
| 12 | | | | | 40 | 123 | 0 | 144 | 85 | | | |
| 13 | | | | | 40 | 123 | 22 | 144 | 79 | | | |
| 14 | | | | | 38 | 123 | 42 | 144 | 76 | | | |
| 15 | | | | | 38 | 119 | 42 | 144 | 79 | | | |
| 16 | | | | | 46 | 91 | 48 | 144 | 79 | | | |
| 17 | | | | | 46 | 115 | 50 | 144 | 79 | | | |
| 18 | | | | | 50 | 115 | 55 | 139 | 79 | | | |
| 19 | | | | | 50 | 123 | 68 | 135 | 79 | | | |
| 20 | | | | | 55 | 123 | 76 | 71 | 79 | | | |
| 21 | | | | | 55 | 123 | 82 | 0 | 76 | | | |
| 22 | | | | | 60 | 119 | 88 | 0 | 73 | | | |
| 23 | | | | | 70 | 119 | 94 | 0 | 73 | | | |
| 24 | | | | | 70 | 123 | 101 | 13 | 68 | | | |
| 25 | | | | | 70 | 123 | 101 | 119 | 70 | | | |
| 26 | | | | | 76 | 123 | 101 | 131 | 70 | | | |
| 27 | | | | | 82 | 119 | 101 | 139 | 65 | | | |
| 28 | | | | | 88 | 115 | 101 | 131 | 60 | | | |
| 29 | | ------ | | | 85 | 115 | 101 | 131 | 55 | | | |
| 30 | | ------ | | | 85 | 101 | 101 | 131 | 50 | | | |
| 31 | | ------ | | ------ | 88 | ------ | 101 | 131 | ------ | | ------ | |
| TOTAL | | | | | 1,353.0 | 3,449 | 1,699 | 3,362 | 2,519 | | | |
| MEAN | | | | | 43.6 | 115 | 54.8 | 108 | 84.0 | | | |
| MAX | | | | | 88 | 131 | 101 | 144 | 131 | | | |
| MIN | | | | | 1.0 | 58 | 0 | 0 | 50 | | | |
| AC-FT | | | | | 2,680 | 6,840 | 3,370 | 6,670 | 5,000 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 11 | 123 | 94 | 131 | 123 | | | |
| 2 | | | | | 20 | 127 | 94 | 135 | 119 | | | |
| 3 | | | | | 18 | 123 | 59 | 139 | 119 | | | |
| 4 | | | | | 20 | 123 | 0 | 139 | 108 | | | |
| 5 | | | | | 20 | 127 | 0 | 139 | 94 | | | |
| 6 | | | | | 20 | 127 | 0 | 139 | 88 | | | |
| 7 | | | | | 22 | 123 | 0 | 139 | 85 | | | |
| 8 | | | | | 26 | 123 | 0 | 139 | 79 | | | |
| 9 | | | | | 26 | 119 | 0 | 139 | 76 | | | |
| 10 | | | | | 26 | 112 | 0 | 139 | 73 | | | |
| 11 | | | | | 24 | 104 | 26 | 144 | 73 | | | |
| 12 | | | | | 36 | 104 | 48 | 148 | 76 | | | |
| 13 | | | | | 60 | 101 | 52 | 144 | 76 | | | |
| 14 | | | | | 65 | 98 | 68 | 148 | 76 | | | |
| 15 | | | | | 73 | 88 | 82 | 144 | 76 | | | |
| 16 | | | | | 70 | 85 | 85 | 144 | 76 | | | |
| 17 | | | | | 76 | 88 | 85 | 139 | 76 | | | |
| 18 | | | | | 82 | 88 | 85 | 135 | 76 | | | |
| 19 | | | | | 82 | 88 | 88 | 131 | 79 | | | |
| 20 | | | | | 85 | 85 | 88 | 93 | 76 | | | |
| 21 | | | | | 91 | 91 | 94 | 0 | 73 | | | |
| 22 | | | | | 94 | 98 | 94 | 0 | 73 | | | |
| 23 | | | | | 98 | 108 | 98 | 0 | 73 | | | |
| 24 | | | | | 104 | 108 | 104 | 27 | 73 | | | |
| 25 | | | | | 108 | 108 | 112 | 112 | 73 | | | |
| 26 | | | | | 115 | 108 | 119 | 119 | 73 | | | |
| 27 | | | | | 115 | 104 | 123 | 119 | 76 | | | |
| 28 | | | | | 123 | 98 | 127 | 127 | 76 | | | |
| 29 | | ------ | | | 123 | 94 | 135 | 123 | 73 | | | |
| 30 | | ------ | | | 123 | 94 | 131 | 123 | 68 | | | |
| 31 | | ------ | | ------ | 123 | ------ | 127 | 127 | ------ | | ------ | |
| TOTAL | | | | | 2,079 | 3,167 | 2,218 | 3,625 | 2,455 | | | |
| MEAN | | | | | 67.1 | 106 | 71.5 | 117 | 81.8 | | | |
| MAX | | | | | 123 | 127 | 135 | 148 | 123 | | | |
| MIN | | | | | 11 | 85 | 0 | 0 | 68 | | | |
| AC-FT | | | | | 4,120 | 6,280 | 4,400 | 7,190 | 4,870 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 25 | 135 | 112 | 127 | 98 | | | |
| 2 | | | | 0 | 28 | 131 | 72 | 127 | 98 | | | |
| 3 | | | | 0 | 26 | 131 | 0 | 131 | 94 | | | |
| 4 | | | | 0 | 26 | 131 | 0 | 135 | 94 | | | |
| 5 | | | | 0 | 28 | 127 | 0 | 144 | 101 | | | |
| 6 | | | | 0 | 42 | 127 | 0 | 144 | 105 | | | |
| 7 | | | | 0 | 46 | 127 | 0 | 144 | 112 | | | |
| 8 | | | | 5.5 | 55 | 127 | 0 | 144 | 112 | | | |
| 9 | | | | 9.5 | 63 | 127 | 0 | 144 | 112 | | | |
| 10 | | | | 11 | 68 | 127 | 0 | 144 | 108 | | | |
| 11 | | | | 9.5 | 73 | 123 | 4.1 | 144 | 105 | | | |
| 12 | | | | 8.0 | 76 | 123 | 20 | 144 | 101 | | | |
| 13 | | | | 9.5 | 85 | 127 | 30 | 144 | 101 | | | |
| 14 | | | | 9.5 | 91 | 131 | 46 | 139 | 101 | | | |
| 15 | | | | 9.5 | 94 | 127 | 60 | 139 | 98 | | | |
| 16 | | | | 9.5 | 101 | 131 | 68 | 139 | 94 | | | |
| 17 | | | | 9.5 | 112 | 131 | 70 | 135 | 94 | | | |
| 18 | | | | 9.5 | 123 | 131 | 82 | 135 | 91 | | | |
| 19 | | | | 11 | 135 | 131 | 85 | 131 | 101 | | | |
| 20 | | | | 13 | 131 | 127 | 85 | 135 | 101 | | | |
| 21 | | | | 14 | 131 | 127 | 85 | 135 | 108 | | | |
| 22 | | | | 17 | 127 | 127 | 88 | 135 | 101 | | | |
| 23 | | | | 17 | 131 | 127 | 88 | 127 | 94 | | | |
| 24 | | | | 19 | 131 | 119 | 88 | 123 | 88 | | | |
| 25 | | | | 22 | 127 | 123 | 88 | 119 | 79 | | | |
| 26 | | | | 22 | 127 | 127 | 91 | 123 | 76 | | | |
| 27 | | | | 22 | 127 | 127 | 98 | 115 | 73 | | | |
| 28 | | | | 22 | 131 | 127 | 105 | 108 | 70 | | | |
| 29 | | | | 22 | 135 | 123 | 112 | 101 | 68 | | | |
| 30 | | ------ | | 22 | 135 | 119 | 115 | 98 | 68 | | | |
| 31 | | ------ | | ------ | 139 | ------ | 123 | 98 | ------ | | ------ | |
| TOTAL | | | | 323.5 | 2,869 | 3,818 | 1,815.1 | 4,051 | 2,846 | | | |
| MEAN | | | | 10.8 | 92.5 | 127 | 58.6 | 131 | 94.9 | | | |
| MAX | | | | 22 | 139 | 135 | 123 | 144 | 112 | | | |
| MIN | | | | 0 | 25 | 119 | 0 | 98 | 68 | | | |
| AC-FT | | | | 642 | 5,690 | 7,570 | 3,600 | 8,040 | 5,650 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 26 | 127 | 112 | 127 | 101 | 42 | | |
| 2 | | | | 0 | 26 | 123 | 65 | 131 | 94 | 40 | | |
| 3 | | | | 0 | 26 | 123 | 0 | 135 | 91 | 40 | | |
| 4 | | | | 0 | 36 | 123 | 0 | 135 | 88 | 40 | | |
| 5 | | | | 0 | 42 | 123 | 0 | 135 | 85 | 40 | | |
| 6 | | | | 0 | 44 | 123 | 0 | 135 | 85 | 40 | | |
| 7 | | | | 0 | 46 | 127 | 0 | 135 | 82 | 40 | | |
| 8 | | | | 0 | 48 | 127 | 0 | 135 | 73 | 38 | | |
| 9 | | | | 0 | 50 | 127 | 0 | 131 | 63 | 36 | | |
| 10 | | | | 0 | 55 | 127 | 0 | 135 | 58 | 34 | | |
| 11 | | | | 0 | 63 | 127 | 0 | 135 | 58 | 34 | | |
| 12 | | | | 0 | 68 | 127 | 30 | 135 | 58 | 28 | | |
| 13 | | | | 0 | 76 | 127 | 79 | 135 | 60 | 25 | | |
| 14 | | | | 0 | 85 | 123 | 76 | 135 | 63 | 23 | | |
| 15 | | | | 0 | 98 | 123 | 79 | 131 | 63 | 23 | | |
| 16 | | | | 0 | 112 | 123 | 88 | 123 | 63 | 22 | | |
| 17 | | | | 0 | 123 | 119 | 101 | 131 | 63 | 22 | | |
| 18 | | | | 0 | 135 | 119 | 108 | 135 | 63 | 22 | | |
| 19 | | | | 0 | 131 | 115 | 108 | 135 | 60 | 22 | | |
| 20 | | | | 0 | 131 | 115 | 112 | 127 | 60 | 22 | | |
| 21 | | | | 6.4 | 131 | 119 | 115 | 131 | 60 | 22 | | |
| 22 | | | | 11 | 131 | 119 | 112 | 131 | 60 | 14 | | |
| 23 | | | | 11 | 131 | 115 | 108 | 131 | 60 | 6.5 | | |
| 24 | | | | 11 | 135 | 123 | 112 | 131 | 55 | 6.5 | | |
| 25 | | | | 13 | 139 | 123 | 108 | 123 | 50 | 6.5 | | |
| 26 | | | | 11 | 139 | 123 | 108 | 127 | 50 | 5.0 | | |
| 27 | | | | 11 | 127 | 123 | 108 | 127 | 50 | 5.0 | | |
| 28 | | | | 16 | 131 | 123 | 112 | 123 | 46 | 5.0 | | |
| 29 | | ------ | | 19 | 131 | 119 | 119 | 115 | 42 | 5.0 | | |
| 30 | | ------ | | 25 | 131 | 115 | 123 | 115 | 42 | 5.0 | | |
| 31 | | ------ | | ------ | 127 | ------ | 123 | 108 | ------ | 5.0 | ------ | |
| TOTAL | | | | 134.4 | 2,874 | 3,670 | 2,206 | 4,022 | 1,946 | 718.5 | | |
| MEAN | | | | 4.48 | 92.7 | 122 | 71.2 | 130 | 64.9 | 23.2 | | |
| MAX | | | | 25 | 139 | 127 | 123 | 139 | 101 | 42 | | |
| MIN | | | | 0 | 26 | 115 | 0 | 108 | 42 | 5.0 | | |
| AC-FT | | | | 267 | 5,700 | 7,280 | 4,380 | 7,980 | 3,860 | 1,430 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 25 | 119 | 124 | 148 | 99 | 91 | | |
| 2 | | | | 0 | 31 | 115 | 119 | 148 | 99 | 91 | | |
| 3 | | | | 0 | 31 | 107 | 75 | 153 | 95 | 91 | | |
| 4 | | | | 0 | 31 | 107 | 0 | 153 | 95 | 95 | | |
| 5 | | | | 0 | 37 | 107 | 0 | 153 | 95 | 91 | | |
| 6 | | | | 0 | 39 | 107 | 0 | 153 | 95 | 87 | | |
| 7 | | | | 0 | 45 | 107 | 0 | 148 | 91 | 83 | | |
| 8 | | | | 0 | 56 | 107 | 0 | 148 | 91 | 80 | | |
| 9 | | | | 0 | 59 | 111 | 0 | 148 | 91 | 83 | | |
| 10 | | | | 0 | 65 | 115 | 0 | 148 | 87 | 80 | | |
| 11 | | | | 0 | 71 | 119 | 0 | 143 | 83 | 68 | | |
| 12 | | | | 0 | 80 | 119 | 8.1 | 133 | 83 | 68 | | |
| 13 | | | | 0 | 83 | 119 | 20 | 133 | 83 | 68 | | |
| 14 | | | | 0 | 87 | 129 | 27 | 124 | 83 | 68 | | |
| 15 | | | | 0 | 91 | 138 | 35 | 124 | 83 | 37 | | |
| 16 | | | | 0 | 95 | 138 | 48 | 124 | 83 | 14 | | |
| 17 | | | | 0 | 95 | 133 | 65 | 119 | 80 | 14 | | |
| 18 | | | | 0 | 99 | 133 | 71 | 115 | 80 | 15 | | |
| 19 | | | | 0 | 107 | 133 | 83 | 115 | 83 | 15 | | |
| 20 | | | | 0 | 115 | 133 | 91 | 115 | 83 | 14 | | |
| 21 | | | | 0 | 107 | 129 | 95 | 115 | 83 | 15 | | |
| 22 | | | | 0 | 129 | 133 | 103 | 115 | 87 | 14 | | |
| 23 | | | | 0 | 129 | 133 | 111 | 111 | 87 | 14 | | |
| 24 | | | | 0 | 129 | 129 | 111 | 77 | 87 | 11 | | |
| 25 | | | | 9.9 | 124 | 133 | 115 | 91 | 91 | 11 | | |
| 26 | | | | 13 | 115 | 133 | 119 | 111 | 91 | 9.5 | | |
| 27 | | | | 13 | 115 | 133 | 129 | 107 | 91 | 4.0 | | |
| 28 | | | | 14 | 115 | 129 | 143 | 111 | 91 | 0 | | |
| 29 | | ------ | | 17 | 119 | 129 | 148 | 103 | 95 | 0 | | |
| 30 | | ------ | | 23 | 119 | 129 | 148 | 99 | 91 | 0 | | |
| 31 | | ------ | | ------ | 119 | ------ | 148 | 103 | ------ | 0 | ------ | |
| TOTAL | | | | 89.9 | 2,662 | 3,706 | 2,136.1 | 3,888 | 2,656 | 1,331.5 | | |
| MEAN | | | | 3.00 | 85.9 | 124 | 68.9 | 125 | 88.5 | 43.0 | | |
| MAX | | | | 23 | 129 | 138 | 148 | 153 | 99 | 95 | | |
| MIN | | | | 0 | 25 | 107 | 0 | 77 | 80 | 0 | | |
| AC-FT | | | | 178 | 5,280 | 7,350 | 4,240 | 7,710 | 5,270 | 2,640 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 95 | 99 | 74 | 77 | | | |
| 2 | | | | | 0 | 107 | 99 | 71 | 77 | | | |
| 3 | | | | | 0 | 115 | 99 | 65 | 74 | | | |
| 4 | | | | | 0 | 120 | 99 | 59 | 74 | | | |
| 5 | | | | | 0 | 124 | 99 | 59 | 74 | | | |
| 6 | | | | | 0 | 124 | 99 | 59 | 74 | | | |
| 7 | | | | | 0 | 129 | 99 | 59 | 77 | | | |
| 8 | | | | | 0 | 133 | 103 | 65 | 83 | | | |
| 9 | | | | | 4.8 | 133 | 95 | 65 | 87 | | | |
| 10 | | | | | 14 | 133 | 95 | 68 | 95 | | | |
| 11 | | | | | 17 | 133 | 91 | 74 | 103 | | | |
| 12 | | | | | 27 | 133 | 91 | 74 | 111 | | | |
| 13 | | | | | 31 | 129 | 87 | 80 | 120 | | | |
| 14 | | | | | 33 | 138 | 87 | 83 | 120 | | | |
| 15 | | | | | 33 | 133 | 83 | 83 | 120 | | | |
| 16 | | | | | 33 | 71 | 80 | 87 | 124 | | | |
| 17 | | | | | 33 | 124 | 74 | 91 | 124 | | | |
| 18 | | | | | 35 | 124 | 68 | 87 | 124 | | | |
| 19 | | | | | 43 | 120 | 65 | 87 | 124 | | | |
| 20 | | | | | 48 | 107 | 62 | 91 | 120 | | | |
| 21 | | | | | 46 | 103 | 59 | 87 | 115 | | | |
| 22 | | | | | 53 | 99 | 62 | 87 | 111 | | | |
| 23 | | | | | 59 | 99 | 62 | 87 | 111 | | | |
| 24 | | | | | 62 | 99 | 62 | 83 | 111 | | | |
| 25 | | | | | 65 | 103 | 65 | 87 | 107 | | | |
| 26 | | | | | 71 | 99 | 71 | 87 | 103 | | | |
| 27 | | | | | 71 | 91 | 74 | 87 | 103 | | | |
| 28 | | | | | 74 | 91 | 74 | 87 | 107 | | | |
| 29 | | ------ | | | 80 | 95 | 77 | 83 | 99 | | | |
| 30 | | ------ | | | 83 | 95 | 77 | 77 | 103 | | | |
| 31 | | ------ | | ------ | 91 | ------ | 77 | 77 | ------ | | ------ | |
| TOTAL | | | | 0 | 1,106.8 | 3,399 | 2,534 | 2,410 | 3,052 | | | |
| MEAN | | | | 0 | 35.7 | 113 | 81.7 | 77.7 | 102 | | | |
| MAX | | | | 0 | 91 | 138 | 103 | 91 | 124 | | | |
| MIN | | | | 0 | 0 | 71 | 59 | 59 | 74 | | | |
| AC-FT | | | | 0 | 2,200 | 6,740 | 5,030 | 4,780 | 6,050 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

VIGILANTE CANAL BELOW HEAD GATE NUMBER 41C 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 120 | 111 | 62 | 111 | | | |
| 2 | | | | | 0 | 120 | 111 | 71 | 103 | | | |
| 3 | | | | | 0 | 124 | 111 | 83 | 103 | | | |
| 4 | | | | | 0 | 124 | 111 | 103 | 103 | | | |
| 5 | | | | | 0 | 124 | 107 | 111 | 107 | | | |
| 6 | | | | | 5.9 | 120 | 107 | 111 | 107 | | | |
| 7 | | | | | 16 | 115 | 107 | 111 | 103 | | | |
| 8 | | | | | 19 | 115 | 107 | 111 | 103 | | | |
| 9 | | | | | 22 | 115 | 103 | 111 | 107 | | | |
| 10 | | | | | 22 | 120 | 103 | 115 | 107 | | | |
| 11 | | | | | 22 | 120 | 103 | 115 | 103 | | | |
| 12 | | | | | 31 | 115 | 103 | 120 | 99 | | | |
| 13 | | | | | 37 | 107 | 103 | 128 | 99 | | | |
| 14 | | | | | 35 | 111 | 99 | 138 | 95 | | | |
| 15 | | | | | 33 | 107 | 91 | 143 | 91 | | | |
| 16 | | | | | 31 | 107 | 83 | 143 | 83 | | | |
| 17 | | | | | 31 | 111 | 83 | 143 | 77 | | | |
| 18 | | | | | 39 | 115 | 83 | 138 | 71 | | | |
| 19 | | | | | 48 | 115 | 77 | 138 | 71 | | | |
| 20 | | | | | 53 | 115 | 71 | 133 | 68 | | | |
| 21 | | | | | 62 | 120 | 71 | 129 | 62 | | | |
| 22 | | | | | 71 | 124 | 71 | 129 | 56 | | | |
| 23 | | | | | 74 | 124 | 71 | 129 | 51 | | | |
| 24 | | | | | 91 | 120 | 41 | 129 | 51 | | | |
| 25 | | | | | 99 | 115 | 0 | 124 | 48 | | | |
| 26 | | | | | 107 | 115 | 0 | 115 | 41 | | | |
| 27 | | | | | 115 | 111 | 0 | 115 | 41 | | | |
| 28 | | | | | 115 | 107 | 0 | 120 | 41 | | | |
| 29 | | | | | 120 | 107 | 0 | 120 | 41 | | | |
| 30 | | ------ | | | 124 | 111 | 0 | 115 | 41 | | | |
| 31 | | ------ | | ------ | 91 | ------ | 25 | 115 | ------ | | ------ | |
| TOTAL | | | | 0 | 1,513.9 | 3,474 | 2,253 | 3,668 | 2,384 | | | |
| MEAN | | | | 0 | 48.8 | 116 | 72.7 | 118 | 79.5 | | | |
| MAX | | | | 0 | 124 | 124 | 111 | 143 | 111 | | | |
| MIN | | | | 0 | 0 | 107 | 0 | 62 | 41 | | | |
| AC-FT | | | | 0 | 3,000 | 6,890 | 4,470 | 7,280 | 4,730 | | | |

41C 04000 West Bench Canal Below Headgate near Alder, MT

LOCATION -- Lat 45° 15' 40", long 112° 06' 10", in SW¼ NE¼ NW¼ Sec. 4, T. 7 S., R. 4 W., Madison County, on left bank, 0.1 mi (0.2 km) downstream from division headgate which is 0.7 mi (1.1 km) downstream from point of diversion which is at river mile 47.0 (75.6 km), 5 mi (8 km) south of Alder.

DRAINAGE AREA -- Above point of diversion 597 sq. mi (1,546 sq. km).

GAGE -- Water stage recorder. Altitude of gage 5,260 ft (1,602 m) from topography maps.

AVERAGE DISCHARGE -- 1963 to 1976 - 30,400 AF/season (37.5 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 157 $ft^3/s$ (4.45 $m^3/s$), June 15 and 16, 1974. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA OERT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOUPCES OIVISION

WEST 8ENCH CANAL BELOW HEAO GATE NUM8ER 41C 04000

OISCHARGE, IN CUBIC FEET PER SECONO, CALENOAR YEAR 1963

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 23 | 128 | 139 | 100 | 88 | | | |
| 2 | | | | | 23 | 134 | 139 | 106 | 88 | | | |
| 3 | | | | | 23 | 134 | 97 | 106 | 85 | | | |
| 4 | | | | | 23 | 134 | 0 | 103 | 79 | | | |
| 5 | | | | | 23 | 139 | 0 | 103 | 76 | | | |
| 6 | | | | | 23 | 134 | 0 | 98 | 79 | | | |
| 7 | | | | | 21 | 128 | 0 | 98 | 79 | | | |
| 8 | | | | | 21 | 128 | 0 | 100 | 81 | | | |
| 9 | | | | | 21 | 128 | 5.2 | 112 | 88 | | | |
| 10 | | | | | 19 | 128 | 65 | 112 | 76 | | | |
| 11 | | | | | 19 | 134 | 46 | 112 | 74 | | | |
| 12 | | | | | 19 | 128 | 41 | 112 | 71 | | | |
| 13 | | | | | 21 | 135 | 81 | 112 | 79 | | | |
| 14 | | | | | 21 | 139 | 85 | 112 | 79 | | | |
| 15 | | | | | 21 | 139 | 81 | 109 | 79 | | | |
| 16 | | | | | 21 | 139 | 85 | 109 | 79 | | | |
| 17 | | | | | 23 | 134 | 83 | 112 | 79 | | | |
| 18 | | | | | 23 | 124 | 81 | 116 | 79 | | | |
| 19 | | | | | 21 | 112 | 83 | 116 | 71 | | | |
| 20 | | | | | 19 | 109 | 88 | 116 | 65 | | | |
| 21 | | | | | 1.0 | 116 | 90 | 113 | 61 | | | |
| 22 | | | | | .50 | 124 | 95 | 112 | 59 | | | |
| 23 | | | | | .5 | 128 | 100 | 112 | 59 | | | |
| 24 | | | | | 55 | 134 | 103 | 112 | 57 | | | |
| 25 | | | | | 76 | 139 | 103 | 116 | 57 | | | |
| 26 | | | | | 81 | 144 | 103 | 124 | 57 | | | |
| 27 | | | | | 81 | 148 | 106 | 128 | 55 | | | |
| 28 | | | | | 90 | 144 | 106 | 124 | 55 | | | |
| 29 | | ------ | | | 100 | 144 | 103 | 81 | 55 | | | |
| 30 | | ------ | | | 112 | 134 | 103 | 6.0 | 57 | | | |
| 31 | | ------ | | ------ | 128 | ------ | 100 | 8.0 | ------ | | ------ | |
| TOTAL | | | | | 1,197.50 | 3,963 | 2,311.2 | 3,200.0 | 2,146 | | | |
| MEAN | | | | | 38.6 | 132 | 74.6 | 103 | 71.5 | | | |
| MAX | | | | | 128 | 148 | 139 | 128 | 88 | | | |
| MIN | | | | | .50 | 109 | 0 | 6.0 | 55 | | | |
| AC-FT | | | | | 2,380 | 7,860 | 4,580 | 6,350 | 4,260 | | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOUPCES OIVISION

WEST 8ENCH CANAL 8ELOW HEAO GATE NUM8ER 41C 04000

OISCHARGE, IN CUBIC FEET RER SECONO, CALENOAR YEAR 1964

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 103 | 85 | 106 | 112 | 79 | | |
| 2 | | | | | | 103 | 90 | 106 | 119 | 79 | | |
| 3 | | | | | | 106 | 88 | 103 | 116 | 79 | | |
| 4 | | | | | | 106 | 88 | 106 | 109 | 79 | | |
| 5 | | | | | | 112 | 85 | 106 | 109 | 79 | | |
| 6 | | | | | | 119 | 85 | 112 | 109 | 83 | | |
| 7 | | | | | | 116 | 88 | 112 | 109 | 81 | | |
| 8 | | | | | | 106 | 85 | 112 | 106 | 83 | | |
| 9 | | | | | | 100 | 85 | 112 | 100 | 83 | | |
| 10 | | | | | | 98 | 88 | 112 | 95 | 85 | | |
| 11 | | | | | | 98 | 90 | 112 | 93 | 83 | | |
| 12 | | | | | | 98 | 95 | 109 | 90 | 85 | | |
| 13 | | | | | | 95 | 95 | 109 | 95 | 88 | | |
| 14 | | | | | | 100 | 98 | 106 | 95 | 88 | | |
| 15 | | | | | | 100 | 7.5 | 109 | 76 | 88 | | |
| 16 | | | | | | 100 | 0 | 112 | 74 | 88 | | |
| 17 | | | | | | 93 | 0 | 112 | 74 | 81 | | |
| 18 | | | | | | 100 | 0 | 112 | 71 | 81 | | |
| 19 | | | | | | 103 | 3.0 | 112 | 71 | 81 | | |
| 20 | | | | | | 103 | 74 | 116 | 74 | 81 | | |
| 21 | | | | | | 103 | 90 | 119 | 74 | 79 | | |
| 22 | | | | | | 98 | 98 | 119 | 76 | 73 | | |
| 23 | | | | | | 93 | 100 | 123 | 79 | 73 | | |
| 24 | | | | | | 85 | 95 | 123 | 55 | 79 | | |
| 25 | | | | | | 79 | 95 | 116 | 83 | 81 | | |
| 26 | | | | | | 79 | 98 | 112 | 81 | 69 | | |
| 27 | | | | | | 79 | 95 | 116 | 79 | 41 | | |
| 28 | | | | | | 76 | 95 | 116 | 79 | 33 | | |
| 29 | | | | | | 81 | 95 | 112 | 79 | 23 | | |
| 30 | | ------ | | | | 83 | 106 | 106 | 79 | 23 | | |
| 31 | | ------ | | ------ | | ------ | 109 | 109 | ------ | 19 | ------ | |
| TOTAL | | | | | | 2,915 | 2,405.5 | 3,467 | 2,661 | 2,247 | | |
| MEAN | | | | | | 97.2 | 77.6 | 112 | 88.7 | 72.5 | | |
| MAX | | | | | | 119 | 109 | 123 | 119 | 88 | | |
| MIN | | | | | | 76 | 0 | 103 | 55 | 19 | | |
| AC-FT | | | | | | 5,780 | 4,770 | 6,880 | 5,280 | 4,460 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 23 | 83 | 116 | 103 | 85 | 59 | | |
| 2 | | | | | 25 | 90 | 124 | 103 | 85 | 59 | | |
| 3 | | | | | 25 | 95 | 128 | 103 | 38 | 59 | | |
| 4 | | | | | 23 | 109 | 134 | 106 | 0 | 59 | | |
| 5 | | | | | 23 | 116 | 109 | 106 | 12 | 57 | | |
| 6 | | | | | 21 | 116 | 112 | 106 | 33 | 57 | | |
| 7 | | | | | 21 | 112 | 90 | 109 | 55 | 59 | | |
| 8 | | | | | 19 | 116 | 81 | 106 | 76 | 59 | | |
| 9 | | | | | 19 | 119 | 34 | 103 | 79 | 57 | | |
| 10 | | | | | 21 | 116 | 0 | 98 | 76 | 57 | | |
| 11 | | | | | 23 | 112 | 0 | 98 | 74 | 59 | | |
| 12 | | | | | 29 | 112 | 0 | 98 | 74 | 59 | | |
| 13 | | | | | 37 | 116 | 0 | 98 | 74 | 61 | | |
| 14 | | | | | 39 | 112 | 0 | 98 | 74 | 65 | | |
| 15 | | | | | 41 | 103 | 0 | 98 | 76 | 59 | | |
| 16 | | | | | 41 | 106 | 0 | 100 | 74 | 53 | | |
| 17 | | | | | 45 | 134 | 83 | 106 | 71 | 51 | | |
| 18 | | | | | 45 | 139 | 90 | 109 | 74 | 49 | | |
| 19 | | | | | 45 | 128 | 93 | 106 | 79 | 49 | | |
| 20 | | | | | 47 | 128 | 93 | 112 | 79 | 49 | | |
| 21 | | | | | 49 | 124 | 95 | 112 | 79 | 49 | | |
| 22 | | | | | 51 | 119 | 98 | 112 | 79 | 49 | | |
| 23 | | | | | 53 | 116 | 100 | 112 | 81 | 49 | | |
| 24 | | | | | 53 | 112 | 100 | 112 | 81 | 49 | | |
| 25 | | | | | 67 | 119 | 100 | 112 | 79 | 49 | | |
| 26 | | | | | 67 | 124 | 98 | 98 | 74 | 49 | | |
| 27 | | | | | 74 | 119 | 98 | 88 | 76 | 49 | | |
| 28 | | | | | 81 | 112 | 98 | 85 | 76 | 45 | | |
| 29 | | ------ | | | 79 | 109 | 98 | 83 | 79 | 35 | | |
| 30 | | ------ | | | 76 | 112 | 95 | 81 | 69 | 21 | | |
| 31 | | ------ | | ------ | 76 | ------ | 98 | 79 | ------ | 18 | ------ | |
| TOTAL | | | | | 1,338 | 3,428 | 2,365 | 3,140 | 2,061 | 1,598 | | |
| MEAN | | | | | 43.2 | 114 | 76.3 | 101 | 68.7 | 51.5 | | |
| MAX | | | | | 81 | 139 | 134 | 112 | 85 | 65 | | |
| MIN | | | | | 19 | 83 | 0 | 79 | 0 | 18 | | |
| AC-FT | | | | | 2,650 | 6,800 | 4,690 | 6,230 | 4,090 | 3,170 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 43 | 103 | 103 | 106 | 95 | 45 | | |
| 2 | | | | | 43 | 112 | 106 | 103 | 85 | 45 | | |
| 3 | | | | | 43 | 112 | 73 | 103 | 31 | 45 | | |
| 4 | | | | | 43 | 109 | 0 | 103 | 0 | 45 | | |
| 5 | | | | | 53 | 109 | 0 | 103 | 8.0 | 45 | | |
| 6 | | | | | 55 | 109 | 8.0 | 103 | 0 | 43 | | |
| 7 | | | | | 59 | 109 | 55 | 103 | 21 | 43 | | |
| 8 | | | | | 61 | 109 | 112 | 100 | 90 | 43 | | |
| 9 | | | | | 69 | 106 | 112 | 95 | 90 | 43 | | |
| 10 | | | | | 71 | 106 | 106 | 93 | 90 | 43 | | |
| 11 | | | | | 90 | 103 | 103 | 90 | 93 | 43 | | |
| 12 | | | | | 95 | 109 | 106 | 90 | 90 | 43 | | |
| 13 | | | | | 93 | 112 | 95 | 90 | 88 | 43 | | |
| 14 | | | | | 88 | 112 | 83 | 93 | 85 | 39 | | |
| 15 | | | | | 88 | 112 | 109 | 95 | 83 | 41 | | |
| 16 | | | | | 88 | 112 | 103 | 100 | 79 | 41 | | |
| 17 | | | | | 90 | 112 | 98 | 100 | 79 | 41 | | |
| 18 | | | | | 95 | 112 | 98 | 98 | 79 | 43 | | |
| 19 | | | | | 98 | 112 | 98 | 100 | 79 | 43 | | |
| 20 | | | | | 109 | 112 | 98 | 103 | 79 | 43 | | |
| 21 | | | | | 109 | 112 | 98 | 100 | 76 | 43 | | |
| 22 | | | | | 109 | 109 | 98 | 100 | 76 | 43 | | |
| 23 | | | | | 109 | 109 | 98 | 100 | 76 | 43 | | |
| 24 | | | | | 109 | 100 | 98 | 98 | 76 | 43 | | |
| 25 | | | | | 109 | 95 | 100 | 95 | 76 | 43 | | |
| 26 | | | | | 106 | 90 | 106 | 95 | 76 | 41 | | |
| 27 | | | | | 106 | 90 | 106 | 95 | 61 | 41 | | |
| 28 | | | | | 106 | 90 | 106 | 95 | 45 | 41 | | |
| 29 | | ------ | | | 106 | 90 | 106 | 93 | 45 | 39 | | |
| 30 | | ------ | | | 106 | 98 | 106 | 93 | 45 | 39 | | |
| 31 | | ------ | | ------ | 100 | ------ | 106 | 93 | ------ | 39 | ------ | |
| TOTAL | | | | | 2,649 | 3,175 | 2,794.0 | 3,028 | 1,996.0 | 1,315 | | |
| MEAN | | | | | 85.5 | 106 | 90.1 | 97.7 | 66.5 | 42.4 | | |
| MAX | | | | | 109 | 112 | 112 | 106 | 95 | 45 | | |
| MIN | | | | | 43 | 90 | 0 | 90 | 0 | 39 | | |
| AC-FT | | | | | 5,250 | 6,300 | 5,540 | 6,010 | 3,960 | 2,610 | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

WEST BENCH CANAL BELOW HEAO GATE NUMBER 41C 04000

OISCHARGE, IN CU8IC FEET PER SECONO, CALENOAR YEAR 1967

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 116 | 75 | 92 | 116 | 92 | | |
| 2 | | | | | | 119 | 0 | 94 | 116 | 92 | | |
| 3 | | | | | | 116 | 0 | 98 | 119 | 92 | | |
| 4 | | | | | | 112 | 0 | 101 | 123 | 94 | | |
| 5 | | | | | | 112 | 0 | 103 | 123 | 94 | | |
| 6 | | | | | | 109 | 7.5 | 101 | 123 | 96 | | |
| 7 | | | | | | 106 | 65 | 101 | 123 | 96 | | |
| 8 | | | | | | 109 | 85 | 98 | 121 | 92 | | |
| 9 | | | | | | 109 | 90 | 96 | 121 | 85 | | |
| 10 | | | | | | 106 | 93 | 96 | 114 | 74 | | |
| 11 | | | | | | 109 | 95 | 96 | 110 | 65 | | |
| 12 | | | | | | 109 | 95 | 96 | 110 | 63 | | |
| 13 | | | | | | 109 | 95 | 96 | 107 | 61 | | |
| 14 | | | | | | 112 | 90 | 96 | 105 | 61 | | |
| 15 | | | | | | 112 | 37 | 96 | 107 | 61 | | |
| 16 | | | | | | 109 | 14 | 96 | 107 | 61 | | |
| 17 | | | | | | 112 | 0 | 96 | 107 | 61 | | |
| 18 | | | | | | 116 | 0 | 98 | 107 | 59 | | |
| 19 | | | | | | 116 | 0 | 103 | 105 | 55 | | |
| 20 | | | | | | 119 | 0 | 103 | 105 | 55 | | |
| 21 | | | | | | 124 | 0 | 101 | 105 | 53 | | |
| 22 | | | | | | 128 | 0 | 101 | 101 | 53 | | |
| 23 | | | | | | 128 | 17 | 101 | 98 | 51 | | |
| 24 | | | | | | 116 | 85 | 105 | 94 | 49 | | |
| 25 | | | | | | 112 | 85 | 114 | 92 | 49 | | |
| 26 | | | | | | 106 | 85 | 114 | 92 | 49 | | |
| 27 | | | | | | 106 | 85 | 116 | 89 | 49 | | |
| 28 | | | | | | 116 | 85 | 116 | 89 | 47 | | |
| 29 | | ------ | | | | 116 | 87 | 116 | 89 | 41 | | |
| 30 | | ------ | | | | 112 | 89 | 116 | 89 | 35 | | |
| 31 | | ------ | | ------ | | ------ | 89 | 119 | ------ | 39 | ------ | |
| TOTAL | | | | | | 3,401 | 1,548.5 | 3,175 | 3,207 | 2,024 | | |
| MEAN | | | | | | 113 | 50.0 | 102 | 107 | 65.3 | | |
| MAX | | | | | | 128 | 95 | 119 | 123 | 96 | | |
| MIN | | | | | | 106 | 0 | 92 | 89 | 35 | | |
| AC-FT | | | | | | 6,750 | 3,070 | 6,300 | 6,360 | 4,010 | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

WEST 8ENCH CANAL 8ELOW HEAO GATE NUMBER 41C 04000

OISCHARGE, IN CU8IC FEET PER SECONO, CALENOAR YEAR 1968

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 103 | 133 | 124 | 97 | 103 | | |
| 2 | | | | | 20 | 103 | 133 | 127 | 103 | 94 | | |
| 3 | | | | | 18 | 112 | 130 | 127 | 103 | 86 | | |
| 4 | | | | | 18 | 124 | 127 | 127 | 97 | 86 | | |
| 5 | | | | | 18 | 130 | 130 | 124 | 92 | 86 | | |
| 6 | | | | | 18 | 124 | 45 | 124 | 92 | 86 | | |
| 7 | | | | | 16 | 124 | 0 | 124 | 92 | 86 | | |
| 8 | | | | | 11 | 121 | 27 | 121 | 92 | 86 | | |
| 9 | | | | | 8.8 | 118 | 89 | 118 | 89 | 83 | | |
| 10 | | | | | 8.8 | 118 | 83 | 118 | 89 | 83 | | |
| 11 | | | | | 18 | 118 | 94 | 118 | 89 | 83 | | |
| 12 | | | | | 18 | 121 | 94 | 115 | 86 | 86 | | |
| 13 | | | | | 20 | 124 | 100 | 115 | 86 | 86 | | |
| 14 | | | | | 22 | 124 | 106 | 106 | 97 | 86 | | |
| 15 | | | | | 22 | 112 | 86 | 100 | 94 | 86 | | |
| 16 | | | | | 32 | 106 | 81 | 100 | 86 | 86 | | |
| 17 | | | | | 47 | 106 | 118 | 62 | 89 | 86 | | |
| 18 | | | | | 52 | 106 | 118 | 13 | 92 | 83 | | |
| 19 | | | | | 57 | 112 | 118 | 57 | 92 | 81 | | |
| 20 | | | | | 70 | 112 | 121 | 118 | 92 | 57 | | |
| 21 | | | | | 83 | 115 | 118 | 121 | 92 | 0 | | |
| 22 | | | | | 89 | 112 | 118 | 124 | 92 | 6.5 | | |
| 23 | | | | | 94 | 109 | 121 | 124 | 89 | 8.8 | | |
| 24 | | | | | 92 | 106 | 121 | 118 | 86 | 8.8 | | |
| 25 | | | | | 92 | 103 | 124 | 115 | 86 | 8.8 | | |
| 26 | | | | | 92 | 109 | 133 | 115 | 86 | 13 | | |
| 27 | | | | | 92 | 127 | 133 | 115 | 94 | 13 | | |
| 28 | | | | | 89 | 139 | 133 | 115 | 103 | 11 | | |
| 29 | | | | | 97 | 139 | 130 | 112 | 103 | 11 | | |
| 30 | | ------ | | | 103 | 136 | 130 | 109 | 103 | 11 | | |
| 31 | | ------ | | ------ | 106 | ------ | 127 | 103 | ------ | 11 | ------ | |
| TOTAL | | | | | 1,523.6 | 3,513 | 3,321 | 3,409 | 2,783 | 1,801.8 | | |
| MEAN | | | | | 49.1 | 117 | 107 | 110 | 92.8 | 58.1 | | |
| MAX | | | | | 106 | 139 | 133 | 127 | 103 | 103 | | |
| MIN | | | | | 0 | 103 | 0 | 13 | 86 | 0 | | |
| AC-FT | | | | | 3,020 | 6,970 | 6,590 | 6,760 | 5,520 | 3,570 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 6.5 | 99 | 94 | 114 | 0 | 77 | | |
| 2 | | | | | 6.5 | 102 | 97 | 114 | 0 | 79 | | |
| 3 | | | | | 8.8 | 114 | 44 | 114 | 1.5 | 79 | | |
| 4 | | | | | 11 | 122 | 0 | 112 | 39 | 79 | | |
| 5 | | | | | 13 | 129 | 1.5 | 112 | 64 | 82 | | |
| 6 | | | | | 13 | 129 | 4.5 | 112 | 64 | 82 | | |
| 7 | | | | | 8.8 | 124 | 1.5 | 112 | 69 | 79 | | |
| 8 | | | | | 8.8 | 117 | 16 | 119 | 69 | 82 | | |
| 9 | | | | | 16 | 124 | 67 | 119 | 64 | 82 | | |
| 10 | | | | | 11 | 142 | 97 | 117 | 74 | 82 | | |
| 11 | | | | | 32 | 144 | 84 | 117 | 72 | 84 | | |
| 12 | | | | | 42 | 134 | 77 | 117 | 79 | 84 | | |
| 13 | | | | | 57 | 127 | 84 | 114 | 84 | 87 | | |
| 14 | | | | | 57 | 129 | 99 | 112 | 87 | 79 | | |
| 15 | | | | | 59 | 127 | 97 | 114 | 87 | 114 | | |
| 16 | | | | | 59 | 122 | 92 | 112 | 87 | 114 | | |
| 17 | | | | | 64 | 127 | 89 | 112 | 89 | 102 | | |
| 18 | | | | | 77 | 137 | 94 | 112 | 92 | 20 | | |
| 19 | | | | | 87 | 134 | 104 | 109 | 92 | 25 | | |
| 20 | | | | | 99 | 124 | 109 | 109 | 99 | 25 | | |
| 21 | | | | | 102 | 124 | 102 | 112 | 99 | 18 | | |
| 22 | | | | | 99 | 127 | 102 | 109 | 102 | 11 | | |
| 23 | | | | | 104 | 127 | 109 | 109 | 99 | 11 | | |
| 24 | | | | | 109 | 127 | 109 | 109 | 89 | 11 | | |
| 25 | | | | | 109 | 127 | 109 | 109 | 89 | 11 | | |
| 26 | | | | | 109 | 124 | 107 | 112 | 89 | 11 | | |
| 27 | | | | | 107 | 117 | 107 | 99 | 89 | 11 | | |
| 28 | | | | | 107 | 97 | 107 | 102 | 87 | 11 | | |
| 29 | | ------ | | | 104 | 89 | 107 | 104 | 89 | 11 | | |
| 30 | | ------ | | | 99 | 94 | 109 | 106 | 84 | 11 | | |
| 31 | | ------ | | ------ | 102 | ------ | 114 | 51 | ------ | 11 | ------ | |
| TOTAL | | | | | 1,887.4 | 3,660 | 2,533.5 | 3,395 | 2,228.5 | 1,665 | | |
| MEAN | | | | | 60.9 | 122 | 81.7 | 110 | 74.3 | 53.7 | | |
| MAX | | | | | 109 | 144 | 114 | 119 | 102 | 114 | | |
| MIN | | | | | 6.5 | 89 | 0 | 51 | 0 | 11 | | |
| AC-FT | | | | | 3,740 | 7,260 | 5,030 | 6,730 | 4,420 | 3,300 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 27 | 86 | 139 | 118 | 121 | | | |
| 2 | | | | | 25 | 92 | 130 | 121 | 115 | | | |
| 3 | | | | | 25 | 78 | 121 | 127 | 103 | | | |
| 4 | | | | | 18 | 62 | 46 | 127 | 94 | | | |
| 5 | | | | | 20 | 115 | 0 | 121 | 89 | | | |
| 6 | | | | | 13 | 121 | 0 | 115 | 89 | | | |
| 7 | | | | | 25 | 127 | 0 | 109 | 89 | | | |
| 8 | | | | | 25 | 124 | 0 | 115 | 72 | | | |
| 9 | | | | | 22 | 130 | 52 | 124 | 54 | | | |
| 10 | | | | | 25 | 130 | 112 | 127 | 67 | | | |
| 11 | | | | | 20 | 115 | 107 | 124 | 67 | | | |
| 12 | | | | | 20 | 106 | 107 | 133 | 64 | | | |
| 13 | | | | | 22 | 106 | 89 | 139 | 62 | | | |
| 14 | | | | | 22 | 103 | 72 | 139 | 54 | | | |
| 15 | | | | | 22 | 97 | 67 | 139 | 54 | | | |
| 16 | | | | | 25 | 83 | 70 | 139 | 57 | | | |
| 17 | | | | | 27 | 124 | 75 | 136 | 54 | | | |
| 18 | | | | | 42 | 121 | 83 | 139 | 54 | | | |
| 19 | | | | | 54 | 118 | 97 | 142 | 54 | | | |
| 20 | | | | | 59 | 118 | 97 | 70 | 54 | | | |
| 21 | | | | | 70 | 121 | 100 | 0 | 52 | | | |
| 22 | | | | | 83 | 127 | 100 | 0 | 52 | | | |
| 23 | | | | | 94 | 130 | 100 | 0 | 52 | | | |
| 24 | | | | | 94 | 139 | 115 | 0 | 49 | | | |
| 25 | | | | | 94 | 136 | 115 | 133 | 49 | | | |
| 26 | | | | | 97 | 139 | 115 | 136 | 49 | | | |
| 27 | | | | | 97 | 142 | 115 | 136 | 49 | | | |
| 28 | | | | | 100 | 142 | 112 | 133 | 52 | | | |
| 29 | | ------ | | | 94 | 139 | 112 | 130 | 49 | | | |
| 30 | | ------ | | | 92 | 136 | 115 | 127 | 70 | | | |
| 31 | | ------ | | ------ | 89 | ------ | 112 | 121 | ------ | | ------ | |
| TOTAL | | | | | 1,542 | 3,507 | 2,675 | 3,420 | 1,990 | | | |
| MEAN | | | | | 49.7 | 117 | 86.3 | 110 | 66.3 | | | |
| MAX | | | | | 100 | 142 | 139 | 142 | 121 | | | |
| MIN | | | | | 13 | 62 | 0 | 0 | 49 | | | |
| AC-FT | | | | | 3,060 | 6,960 | 5,310 | 6,780 | 3,950 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 8.8 | 124 | 120 | 126 | 108 | | | |
| 2 | | | | | 20 | 126 | 114 | 130 | 108 | | | |
| 3 | | | | | 6.5 | 126 | 67 | 136 | 108 | | | |
| 4 | | | | | 11 | 124 | 0 | 138 | 94 | | | |
| 5 | | | | | 13 | 120 | 0 | 138 | 80 | | | |
| 6 | | | | | 13 | 120 | 0 | 138 | 80 | | | |
| 7 | | | | | 16 | 120 | 0 | 138 | 75 | | | |
| 8 | | | | | 22 | 120 | 22 | 138 | 72 | | | |
| 9 | | | | | 24 | 120 | 94 | 138 | 70 | | | |
| 10 | | | | | 22 | 120 | 97 | 130 | 67 | | | |
| 11 | | | | | 32 | 118 | 108 | 126 | 75 | | | |
| 12 | | | | | 49 | 118 | 112 | 124 | 86 | | | |
| 13 | | | | | 64 | 120 | 106 | 126 | 86 | | | |
| 14 | | | | | 70 | 118 | 118 | 126 | 86 | | | |
| 15 | | | | | 83 | 120 | 130 | 126 | 86 | | | |
| 16 | | | | | 72 | 120 | 132 | 132 | 86 | | | |
| 17 | | | | | 83 | 130 | 132 | 135 | 80 | | | |
| 18 | | | | | 97 | 136 | 132 | 138 | 86 | | | |
| 19 | | | | | 100 | 142 | 136 | 142 | 92 | | | |
| 20 | | | | | 108 | 138 | 142 | 98 | 89 | | | |
| 21 | | | | | 114 | 142 | 142 | 0 | 86 | | | |
| 22 | | | | | 118 | 142 | 142 | 0 | 92 | | | |
| 23 | | | | | 124 | 144 | 142 | 0 | 92 | | | |
| 24 | | | | | 124 | 144 | 144 | 54 | 92 | | | |
| 25 | | | | | 120 | 144 | 144 | 126 | 92 | | | |
| 26 | | | | | 114 | 142 | 142 | 130 | 94 | | | |
| 27 | | | | | 112 | 144 | 142 | 126 | 100 | | | |
| 28 | | | | | 114 | 138 | 142 | 114 | 106 | | | |
| 29 | | ------ | | | 118 | 126 | 142 | 114 | 103 | | | |
| 30 | | ------ | | | 112 | 120 | 136 | 114 | 94 | | | |
| 31 | | ------ | | ------ | 112 | ------ | 130 | 112 | ------ | | ------ | |
| TOTAL | | | | | 2,196.3 | 3,866 | 3,310 | 3,513 | 2,665 | | | |
| MEAN | | | | | 70.8 | 129 | 107 | 113 | 88.8 | | | |
| MAX | | | | | 124 | 144 | 144 | 142 | 108 | | | |
| MIN | | | | | 6.5 | 118 | 0 | 0 | 67 | | | |
| AC-FT | | | | | 4,360 | 7,670 | 6,570 | 6,970 | 5,290 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 6.5 | 20 | 139 | 124 | 127 | 94 | | | |
| 2 | | | | 6.5 | 22 | 133 | 87 | 133 | 94 | | | |
| 3 | | | | 6.5 | 22 | 130 | 0 | 142 | 49 | | | |
| 4 | | | | 6.5 | 20 | 121 | 0 | 145 | 11 | | | |
| 5 | | | | 6.5 | 20 | 115 | 0 | 145 | 32 | | | |
| 6 | | | | 6.5 | 22 | 121 | 54 | 145 | 67 | | | |
| 7 | | | | 6.5 | 18 | 106 | 109 | 148 | 72 | | | |
| 8 | | | | 11 | 22 | 118 | 115 | 148 | 78 | | | |
| 9 | | | | 11 | 27 | 121 | 112 | 145 | 72 | | | |
| 10 | | | | 11 | 29 | 118 | 112 | 145 | 70 | | | |
| 11 | | | | 8.8 | 32 | 112 | 115 | 148 | 64 | | | |
| 12 | | | | 0 | 37 | 121 | 115 | 148 | 62 | | | |
| 13 | | | | 0 | 42 | 127 | 109 | 148 | 70 | | | |
| 14 | | | | 0 | 49 | 136 | 115 | 142 | 83 | | | |
| 15 | | | | 0 | 64 | 133 | 112 | 139 | 81 | | | |
| 16 | | | | 0 | 72 | 136 | 112 | 139 | 72 | | | |
| 17 | | | | 0 | 75 | 139 | 109 | 139 | 72 | | | |
| 18 | | | | 0 | 92 | 142 | 109 | 136 | 70 | | | |
| 19 | | | | 5.0 | 103 | 139 | 112 | 136 | 89 | | | |
| 20 | | | | 11 | 103 | 133 | 109 | 136 | 100 | | | |
| 21 | | | | 13 | 106 | 124 | 109 | 139 | 121 | | | |
| 22 | | | | 13 | 103 | 121 | 109 | 145 | 121 | | | |
| 23 | | | | 13 | 112 | 118 | 109 | 139 | 106 | | | |
| 24 | | | | 16 | 112 | 64 | 118 | 133 | 92 | | | |
| 25 | | | | 18 | 112 | 54 | 121 | 127 | 81 | | | |
| 26 | | | | 18 | 106 | 127 | 118 | 124 | 78 | | | |
| 27 | | | | 18 | 109 | 127 | 121 | 115 | 75 | | | |
| 28 | | | | 18 | 121 | 130 | 124 | 106 | 72 | | | |
| 29 | | | | 18 | 127 | 124 | 127 | 103 | 70 | | | |
| 30 | | ------ | | 20 | 133 | 127 | 127 | 97 | 78 | | | |
| 31 | | ------ | | ------ | 142 | ------ | 127 | 94 | ------ | | ------ | |
| TOTAL | | | | 268.3 | 2,174 | 3,656 | 3,140 | 4,156 | 2,296 | | | |
| MEAN | | | | 8.94 | 70.1 | 122 | 101 | 134 | 76.5 | | | |
| MAX | | | | 20 | 142 | 142 | 127 | 148 | 121 | | | |
| MIN | | | | 0 | 18 | 54 | 0 | 94 | 11 | | | |
| AC-FT | | | | 532 | 4,310 | 7,250 | 6,230 | 8,240 | 4,550 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 2.3 | 13 | 145 | 115 | 112 | 124 | 57 | | |
| 2 | | | | 2.3 | 13 | 136 | 100 | 115 | 124 | 59 | | |
| 3 | | | | 4.5 | 13 | 127 | 62 | 115 | 118 | 59 | | |
| 4 | | | | 4.5 | 11 | 124 | 0 | 112 | 115 | 57 | | |
| 5 | | | | 2.5 | 16 | 124 | 0 | 112 | 109 | 57 | | |
| 6 | | | | 4.5 | 18 | 127 | 6.5 | 112 | 109 | 57 | | |
| 7 | | | | 8.8 | 22 | 136 | 89 | 103 | 106 | 57 | | |
| 8 | | | | 2.5 | 25 | 136 | 86 | 100 | 100 | 62 | | |
| 9 | | | | 0 | 25 | 139 | 100 | 100 | 89 | 62 | | |
| 10 | | | | 0 | 27 | 142 | 112 | 109 | 81 | 64 | | |
| 11 | | | | 0 | 44 | 139 | 112 | 115 | 78 | 64 | | |
| 12 | | | | 0 | 54 | 133 | 109 | 109 | 70 | 62 | | |
| 13 | | | | 0 | 59 | 133 | 106 | 109 | 78 | 52 | | |
| 14 | | | | 0 | 64 | 133 | 100 | 109 | 81 | 44 | | |
| 15 | | | | 0 | 75 | 136 | 97 | 115 | 83 | 44 | | |
| 16 | | | | 0 | 89 | 133 | 109 | 127 | 83 | 42 | | |
| 17 | | | | 0 | 100 | 133 | 115 | 62 | 83 | 42 | | |
| 18 | | | | 0 | 106 | 136 | 106 | 0 | 81 | 42 | | |
| 19 | | | | 0 | 103 | 133 | 100 | 0 | 67 | 42 | | |
| 20 | | | | 0 | 109 | 133 | 100 | 25 | 57 | 42 | | |
| 21 | | | | 0 | 115 | 133 | 97 | 115 | 57 | 42 | | |
| 22 | | | | 0 | 112 | 133 | 97 | 124 | 57 | 39 | | |
| 23 | | | | 0 | 115 | 123 | 94 | 130 | 54 | 37 | | |
| 24 | | | | 0 | 118 | 148 | 94 | 133 | 52 | 37 | | |
| 25 | | | | 0 | 127 | 148 | 92 | 133 | 49 | 32 | | |
| 26 | | | | 0 | 133 | 145 | 89 | 133 | 49 | 16 | | |
| 27 | | | | 0 | 133 | 142 | 86 | 133 | 49 | 16 | | |
| 28 | | | | 2.5 | 136 | 142 | 100 | 130 | 47 | 16 | | |
| 29 | | ------ | | 4.5 | 136 | 127 | 109 | 130 | 44 | 16 | | |
| 30 | | ------ | | 13 | 127 | 118 | 109 | 130 | 49 | 16 | | |
| 31 | | ------ | | ------ | 139 | ------ | 106 | 133 | ------ | 16 | ------ | |
| TOTAL | | | | 51.9 | 2,377 | 4,037 | 2,797.5 | 3,285 | 2,343 | 1,350 | | |
| MEAN | | | | 1.73 | 76.7 | 135 | 90.2 | 106 | 78.1 | 43.5 | | |
| MAX | | | | 13 | 139 | 148 | 115 | 133 | 124 | 64 | | |
| MIN | | | | 0 | 11 | 118 | 0 | 0 | 44 | 16 | | |
| AC-FT | | | | 103 | 4,710 | 8,010 | 5,550 | 6,520 | 4,650 | 2,680 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 22 | 145 | 133 | 141 | 90 | 117 | | |
| 2 | | | | 0 | 24 | 147 | 129 | 139 | 90 | 117 | | |
| 3 | | | | 4.1 | 32 | 151 | 81 | 145 | 87 | 115 | | |
| 4 | | | | 7.5 | 26 | 147 | 0 | 145 | 82 | 115 | | |
| 5 | | | | 9.0 | 32 | 145 | 0 | 145 | 82 | 111 | | |
| 6 | | | | 11 | 40 | 145 | 17 | 139 | 82 | 109 | | |
| 7 | | | | 11 | 52 | 145 | 93 | 135 | 79 | 105 | | |
| 8 | | | | 11 | 59 | 141 | 97 | 135 | 79 | 99 | | |
| 9 | | | | 11 | 59 | 141 | 97 | 135 | 87 | 99 | | |
| 10 | | | | 3.9 | 59 | 141 | 93 | 135 | 117 | 91 | | |
| 11 | | | | 0 | 72 | 147 | 97 | 135 | 115 | 77 | | |
| 12 | | | | 0 | 79 | 151 | 105 | 139 | 115 | 77 | | |
| 13 | | | | 0 | 79 | 151 | 109 | 141 | 109 | 77 | | |
| 14 | | | | 0 | 85 | 153 | 99 | 141 | 109 | 75 | | |
| 15 | | | | 0 | 99 | 157 | 97 | 141 | 103 | 62 | | |
| 16 | | | | 0 | 117 | 157 | 99 | 141 | 103 | 67 | | |
| 17 | | | | 3.4 | 117 | 153 | 105 | 139 | 103 | 65 | | |
| 18 | | | | 7.5 | 121 | 147 | 109 | 133 | 103 | 65 | | |
| 19 | | | | 7.5 | 123 | 145 | 111 | 135 | 97 | 62 | | |
| 20 | | | | 7.5 | 57 | 141 | 121 | 135 | 97 | 62 | | |
| 21 | | | | 7.5 | 121 | 139 | 129 | 139 | 99 | 62 | | |
| 22 | | | | 9.0 | 127 | 141 | 133 | 139 | 105 | 62 | | |
| 23 | | | | 9.0 | 129 | 141 | 133 | 135 | 103 | 57 | | |
| 24 | | | | 9.0 | 129 | 139 | 133 | 70 | 103 | 52 | | |
| 25 | | | | 11 | 129 | 141 | 141 | 0 | 111 | 52 | | |
| 26 | | | | 13 | 133 | 141 | 147 | 0 | 114 | 47 | | |
| 27 | | | | 13 | 133 | 135 | 147 | 0 | 114 | 38 | | |
| 28 | | | | 15 | 139 | 133 | 145 | 26 | 117 | 30 | | |
| 29 | | ------ | | 19 | 145 | 139 | 141 | 52 | 117 | 28 | | |
| 30 | | ------ | | 20 | 145 | 141 | 141 | 72 | 117 | 28 | | |
| 31 | | ------ | | ------ | 145 | ------ | 141 | 90 | ------ | 28 | ------ | |
| TOTAL | | | | 219.9 | 2,829 | 4,340 | 3,323 | 3,497 | 3,029 | 2,251 | | |
| MEAN | | | | 7.33 | 91.3 | 145 | 107 | 113 | 101 | 72.6 | | |
| MAX | | | | 20 | 145 | 157 | 147 | 145 | 117 | 117 | | |
| MIN | | | | 0 | 22 | 133 | 0 | 0 | 79 | 28 | | |
| AC-FT | | | | 436 | 5,610 | 8,610 | 6,590 | 6,940 | 6,010 | 4,460 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 19 | 91 | 136 | 118 | 103 | | | |
| 2 | | | | 0 | 19 | 100 | 136 | 112 | 106 | | | |
| 3 | | | | 0 | 19 | 109 | 133 | 112 | 106 | | | |
| 4 | | | | 0 | 19 | 118 | 133 | 112 | 106 | | | |
| 5 | | | | 0 | 19 | 127 | 130 | 109 | 106 | | | |
| 6 | | | | 0 | 19 | 127 | 133 | 106 | 106 | | | |
| 7 | | | | 0 | 19 | 124 | 127 | 109 | 106 | | | |
| 8 | | | | 0 | 19 | 121 | 136 | 115 | 106 | | | |
| 9 | | | | 0 | 22 | 124 | 136 | 109 | 106 | | | |
| 10 | | | | 0 | 28 | 127 | 130 | 106 | 109 | | | |
| 11 | | | | 0 | 30 | 127 | 127 | 103 | 109 | | | |
| 12 | | | | 0 | 26 | 124 | 133 | 103 | 112 | | | |
| 13 | | | | 0 | 20 | 118 | 133 | 115 | 115 | | | |
| 14 | | | | 1.6 | 28 | 142 | 133 | 115 | 118 | | | |
| 15 | | | | 7.5 | 28 | 142 | 133 | 115 | 118 | | | |
| 16 | | | | 7.5 | 28 | 91 | 130 | 112 | 118 | | | |
| 17 | | | | 7.5 | 28 | 142 | 133 | 112 | 118 | | | |
| 18 | | | | 7.5 | 30 | 145 | 133 | 112 | 118 | | | |
| 19 | | | | 9.0 | 34 | 136 | 124 | 112 | 118 | | | |
| 20 | | | | 12 | 36 | 133 | 115 | 109 | 121 | | | |
| 21 | | | | 11 | 36 | 133 | 103 | 109 | 118 | | | |
| 22 | | | | 17 | 36 | 139 | 106 | 106 | 109 | | | |
| 23 | | | | 19 | 32 | 139 | 109 | 109 | 106 | | | |
| 24 | | | | 15 | 34 | 142 | 109 | 109 | 103 | | | |
| 25 | | | | 19 | 52 | 142 | 109 | 118 | 97 | | | |
| 26 | | | | 19 | 70 | 136 | 109 | 124 | 97 | | | |
| 27 | | | | 19 | 72 | 130 | 106 | 121 | 97 | | | |
| 28 | | | | 19 | 75 | 127 | 109 | 118 | 97 | | | |
| 29 | | ------ | | 19 | 80 | 124 | 112 | 112 | 94 | | | |
| 30 | | ------ | | 19 | 91 | 130 | 115 | 109 | 94 | | | |
| 31 | | ------ | | ------ | 91 | ------ | 121 | 106 | ------ | | ------ | |
| TOTAL | | | | 228.6 | 1,159 | 3,810 | 3,832 | 3,457 | 3,237 | | | |
| MEAN | | | | 7.62 | 37.4 | 127 | 124 | 112 | 108 | | | |
| MAX | | | | 19 | 91 | 145 | 136 | 124 | 121 | | | |
| MIN | | | | 0 | 19 | 91 | 103 | 103 | 94 | | | |
| AC-FT | | | | 453 | 2,300 | 7,560 | 7,600 | 6,860 | 6,420 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST BENCH CANAL BELOW HEAD GATE NUMBER 41C 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 12 | 118 | 133 | 133 | 115 | | |
| 2 | | | | 0 | 14 | 121 | 133 | 133 | 121 | | |
| 3 | | | | 0 | 14 | 139 | 133 | 136 | 124 | | |
| 4 | | | | 0 | 14 | 145 | 133 | 136 | 124 | | |
| 5 | | | | 0 | 14 | 142 | 127 | 133 | 121 | | |
| 6 | | | | 1.4 | 17 | 142 | 130 | 133 | 124 | | |
| 7 | | | | 0 | 21 | 145 | 136 | 133 | 124 | | |
| 8 | | | | 0 | 17 | 145 | 136 | 133 | 121 | | |
| 9 | | | | 0 | 14 | 142 | 136 | 133 | 124 | | |
| 10 | | | | 0 | 14 | 145 | 136 | 133 | 130 | | |
| 11 | | | | 0 | 14 | 145 | 136 | 130 | 127 | | |
| 12 | | | | 4.0 | 14 | 148 | 136 | 127 | 127 | | |
| 13 | | | | 11 | 12 | 142 | 133 | 124 | 127 | | |
| 14 | | | | 0 | 41 | 142 | 133 | 121 | 130 | | |
| 15 | | | | 2.8 | 73 | 139 | 130 | 124 | 130 | | |
| 16 | | | | 2.0 | 85 | 148 | 124 | 121 | 130 | | |
| 17 | | | | 2.0 | 88 | 154 | 124 | 121 | 133 | | |
| 18 | | | | 2.0 | 94 | 154 | 124 | 124 | 127 | | |
| 19 | | | | 2.0 | 94 | 154 | 118 | 127 | 103 | | |
| 20 | | | | 2.0 | 73 | 142 | 112 | 130 | 82 | | |
| 21 | | | | 2.0 | 82 | 145 | 112 | 133 | 73 | | |
| 22 | | | | 3.0 | 124 | 133 | 112 | 130 | 73 | | |
| 23 | | | | 3.0 | 124 | 133 | 115 | 130 | 73 | | |
| 24 | | | | 3.0 | 121 | 142 | 115 | 130 | 73 | | |
| 25 | | | | 4.5 | 118 | 139 | 127 | 133 | 73 | | |
| 26 | | | | 6.0 | 115 | 142 | 127 | 127 | 73 | | |
| 27 | | | | 6.0 | 112 | 145 | 130 | 121 | 66 | | |
| 28 | | | | 6.0 | 118 | 148 | 130 | 115 | 61 | | |
| 29 | | | | 7.5 | 118 | 139 | 130 | 112 | 61 | | |
| 30 | | ------ | | 9.0 | 118 | 136 | 127 | 112 | 61 | | |
| 31 | | ------ | | ------ | 94 | ------ | 127 | 109 | ------ | | ------ |
| TOTAL | | | | 79.2 | 1,983 | 4,254 | 3,955 | 3,937 | 3,131 | | |
| MEAN | | | | 2.64 | 64.0 | 142 | 128 | 127 | 104 | | |
| MAX | | | | 11 | 124 | 154 | 136 | 136 | 133 | | |
| MIN | | | | 0 | 12 | 118 | 112 | 109 | 61 | | |
| AC-FT | | | | 157 | 3,930 | 8,440 | 7,840 | 7,810 | 6,210 | | |

41H 01000 East Fork Hyalite Creek 1 mile above Middle Creek Reservoir near Bozeman, MT

LOCATION -- Lat 45° 28' 12", long 110° 56' 24", in NE¼ SE¼ SE¼ Sec. 23, T. 4 S., R. 6 E., Gallatin County, on right bank, 1 mi (2 km) upstream from Middle Creek Reservoir, at river mile 0.2 (0.3 km), 20 mi (32 km) south of Bozeman.

DRAINAGE AREA -- 9.30 sq. mi (24.09 sq. km).

GAGE -- Water stage recorder. Altitude of gage 6,860 ft (2,090 m) from topography maps.

AVERAGE DISCHARGE -- 1975 to 1976 - 14,200 AF/year (17.6 cu. hm/year).

EXTREMES -- Period of record: Maximum discharge, 200 $ft^3/s$ (5.67 $m^3/s$), June 24, 1975. Minimum discharge, 1 $ft^3/s$ (0.03 $m^3/s$) during winter months.

REMARKS -- Prior to October 1974 a few measurements were made at a location 1 mi (2 km) downstream. Station installed October 1, 1974.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

EAST FORK HYALITE CR 1 MILE AB RESERVOIR NUMBER 41H 01000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.0 | 4.5 | 4.5 | 3.0 | 4.5 | 45 | 105 | 34 | 10 | 8.0 | 10 | 6.0 |
| 2 | 6.0 | 4.5 | 4.5 | 3.0 | 4.5 | 67 | 128 | 29 | 10 | 8.0 | 10 | 6.0 |
| 3 | 6.0 | 4.5 | 4.5 | 3.0 | 6.0 | 115 | 155 | 29 | 10 | 8.0 | 10 | 5.0 |
| 4 | 6.0 | 4.5 | 4.5 | 3.0 | 4.5 | 105 | 185 | 24 | 10 | 8.0 | 10 | 5.0 |
| 5 | 6.0 | 4.5 | 4.5 | 3.0 | 4.5 | 95 | 185 | 20 | 10 | 8.0 | 8.0 | 5.0 |
| 6 | 6.0 | 4.5 | 3.0 | 3.0 | 4.5 | 128 | 185 | 20 | 10 | 6.0 | 8.0 | 5.0 |
| 7 | 6.0 | 4.5 | 4.5 | 3.0 | 4.5 | 155 | 185 | 20 | 10 | 8.0 | 8.0 | 5.0 |
| 8 | 6.0 | 4.5 | 4.5 | 3.0 | 6.0 | 140 | 170 | 20 | 10 | 8.0 | 8.0 | 5.0 |
| 9 | 6.0 | 4.5 | 4.5 | 3.0 | 4.5 | 95 | 155 | 16 | 10 | 8.0 | 8.0 | 5.0 |
| 10 | 6.0 | 4.5 | 4.5 | 3.0 | 6.0 | 67 | 128 | 16 | 10 | 8.0 | 8.0 | 5.0 |
| 11 | 4.5 | 4.5 | 3.0 | 3.0 | 6.0 | 67 | 115 | 16 | 10 | 8.0 | 8.0 | 5.0 |
| 12 | 6.0 | 4.5 | 4.5 | 3.0 | 8.0 | 75 | 95 | 13 | 10 | 8.0 | 6.0 | 5.0 |
| 13 | 6.0 | 4.5 | 4.5 | 4.5 | 10 | 95 | 95 | 13 | 8.0 | 8.0 | 6.0 | 5.0 |
| 14 | 4.5 | 4.5 | 3.0 | 4.5 | 13 | 140 | 85 | 16 | 8.0 | 8.0 | 6.0 | 5.0 |
| 15 | 4.5 | 4.5 | 3.0 | 4.5 | 29 | 155 | 95 | 13 | 8.0 | 8.0 | 6.0 | 5.0 |
| 16 | 4.5 | 4.5 | 3.0 | 4.5 | 45 | 155 | 85 | 16 | 8.0 | 8.0 | 6.0 | 5.0 |
| 17 | 6.0 | 4.5 | 3.0 | 4.5 | 59 | 115 | 67 | 13 | 10 | 8.0 | 6.0 | 5.0 |
| 18 | 6.0 | 4.5 | 3.0 | 4.5 | 59 | 95 | 59 | 16 | 10 | 10 | 6.0 | 5.0 |
| 19 | 6.0 | 4.5 | 3.0 | 4.5 | 52 | 85 | 52 | 13 | 10 | 10 | 6.0 | 5.0 |
| 20 | 6.0 | 4.5 | 3.0 | 4.5 | 40 | 85 | 45 | 13 | 10 | 10 | 6.0 | 5.0 |
| 21 | 6.0 | 4.5 | 3.0 | 4.5 | 29 | 85 | 40 | 13 | 10 | 16 | 6.0 | 5.0 |
| 22 | 6.0 | 4.5 | 4.5 | 4.5 | 24 | 95 | 40 | 13 | 10 | 20 | 6.0 | 5.0 |
| 23 | 4.5 | 4.5 | 4.5 | 4.5 | 20 | 115 | 34 | 13 | 10 | 16 | 6.0 | 5.0 |
| 24 | 4.5 | 4.5 | 4.5 | 4.5 | 16 | 200 | 34 | 13 | 8.0 | 13 | 6.0 | 5.0 |
| 25 | 4.5 | 4.5 | 3.0 | 4.5 | 13 | 185 | 34 | 10 | 8.0 | 13 | 6.0 | 5.0 |
| 26 | 4.5 | 4.5 | 4.5 | 4.5 | 13 | 140 | 29 | 10 | 8.0 | 13 | 6.0 | 5.0 |
| 27 | 4.5 | 4.5 | 4.5 | 4.5 | 13 | 105 | 34 | 10 | 8.0 | 10 | 6.0 | 5.0 |
| 28 | 4.5 | 4.5 | 4.5 | 4.5 | 13 | 75 | 29 | 10 | 8.0 | 10 | 6.0 | 5.0 |
| 29 | 4.5 | ------ | 3.0 | 4.5 | 16 | 75 | 29 | 10 | 8.0 | 10 | 6.0 | 5.0 |
| 30 | 4.5 | ------ | 3.0 | 4.5 | 24 | 85 | 34 | 10 | 8.0 | 10 | 6.0 | 5.0 |
| 31 | 4.5 | ------ | 3.0 | ------ | 34 | ------ | 40 | 10 | ------ | 10 | ------ | 5.0 |
| TOTAL | 166.5 | 126.0 | 118.5 | 117.0 | 585.5 | 3,239 | 2,751 | 492 | 278.0 | 305.0 | 210.0 | 157.0 |
| MEAN | 5.37 | 4.50 | 3.82 | 3.90 | 18.9 | 108 | 88.7 | 15.9 | 9.27 | 9.84 | 7.00 | 5.06 |
| MAX | 6.0 | 4.5 | 4.5 | 4.5 | 59 | 200 | 185 | 34 | 10 | 20 | 10 | 6.0 |
| MIN | 4.5 | 4.5 | 3.0 | 3.0 | 4.5 | 45 | 29 | 10 | 8.0 | 6.0 | 6.0 | 5.0 |
| AC-FT | 330 | 250 | 235 | 232 | 1,160 | 6,420 | 5,460 | 976 | 551 | 605 | 417 | 311 |

CAL YR 1975 TOTAL 8,545.5 MEAN 23.4 MAX 200 MIN 3.0 AC-FT 16,950

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

EAST FORK HYALITE CR 1 MILE AB RESERVOIR NUMBER 41H 01000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.5 | 1.0 | 1.0 | 1.0 | 4.0 | 53 | 71 | 18 | 9.0 | | | |
| 2 | 4.5 | 1.0 | 1.0 | 1.0 | 6.5 | 58 | 71 | 18 | 9.0 | | | |
| 3 | 4.5 | 4.0 | 1.0 | 1.0 | 12 | 65 | 65 | 18 | 9.0 | | | |
| 4 | 4.5 | 2.0 | 1.0 | 2.0 | 18 | 71 | 58 | 18 | 9.0 | | | |
| 5 | 4.5 | 2.0 | 1.0 | 4.0 | 18 | 79 | 58 | 18 | 9.0 | | | |
| 6 | 4.5 | 1.0 | 1.0 | 4.0 | 18 | 79 | 58 | 15 | 9.0 | | | |
| 7 | 4.5 | 1.0 | 1.0 | 6.5 | 18 | 87 | 58 | 15 | 12 | | | |
| 8 | 4.5 | 1.0 | 1.0 | 9.0 | 25 | 87 | 58 | 15 | 9.0 | | | |
| 9 | 4.5 | 1.0 | 1.0 | 12 | 33 | 87 | 53 | 15 | 9.0 | | | |
| 10 | 4.5 | 1.0 | 1.0 | 9.0 | 37 | 87 | 47 | 15 | 9.0 | | | |
| 11 | 4.5 | 1.0 | 1.0 | 12 | 42 | 79 | 42 | 15 | 9.0 | | | |
| 12 | 4.5 | 1.0 | 1.0 | 15 | 37 | 65 | 47 | 15 | 9.0 | | | |
| 13 | 4.5 | 1.0 | 1.0 | 15 | 37 | 65 | 42 | 15 | 9.0 | | | |
| 14 | 3.0 | 1.0 | 1.0 | 12 | 42 | 53 | 37 | 15 | 9.0 | | | |
| 15 | 3.0 | 1.0 | 1.0 | 12 | 47 | 47 | 33 | 12 | 9.0 | | | |
| 16 | 4.5 | 1.0 | 1.0 | 9.0 | 37 | 53 | 33 | 12 | 9.0 | | | |
| 17 | 3.0 | 1.0 | 1.0 | 9.0 | 42 | 65 | 29 | 12 | 9.0 | | | |
| 18 | 4.5 | 1.0 | 1.0 | 6.5 | 53 | 65 | 33 | 12 | 9.0 | | | |
| 19 | 3.0 | 1.0 | 1.0 | 6.5 | 53 | 65 | 33 | 12 | 9.0 | | | |
| 20 | 3.0 | 1.0 | 1.0 | 4.0 | 58 | 79 | 29 | 12 | 9.0 | | | |
| 21 | 3.0 | 1.0 | 1.0 | 4.0 | 58 | 87 | 29 | 12 | 6.5 | | | |
| 22 | 3.0 | 1.0 | 1.0 | 4.0 | 58 | 87 | 25 | 12 | 9.0 | | | |
| 23 | 3.0 | 1.0 | 1.0 | 4.0 | 58 | 79 | 25 | 12 | 9.0 | | | |
| 24 | 3.0 | 1.0 | 1.0 | 4.0 | 53 | 65 | 21 | 12 | 9.0 | | | |
| 25 | 3.0 | 1.0 | 1.0 | 4.0 | 47 | 58 | 21 | 9.0 | 9.0 | | | |
| 26 | 1.0 | 1.0 | 1.0 | 4.0 | 42 | 47 | 21 | 9.0 | 9.0 | | | |
| 27 | 1.0 | 1.0 | 1.0 | 4.0 | 47 | 42 | 18 | 9.0 | 6.5 | | | |
| 28 | 1.0 | 1.0 | 1.0 | 4.0 | 53 | 42 | 18 | 9.0 | 6.5 | | | |
| 29 | 1.0 | 1.0 | 1.0 | 4.0 | 58 | 47 | 18 | 9.0 | 6.5 | | | |
| 30 | 1.0 | ------ | 1.0 | 4.0 | 53 | 58 | 18 | 9.0 | 6.5 | | | |
| 31 | 1.0 | ------ | 1.0 | ------ | 53 | ------ | 18 | 9.0 | ------ | | ------ | |
| TOTAL | 103.5 | 34.0 | 31.0 | 190.5 | 1,217.5 | 2,001 | 1,187 | 408.0 | 260.5 | | | |
| MEAN | 3.34 | 1.17 | 1.00 | 6.35 | 39.3 | 66.7 | 38.3 | 13.2 | 8.68 | | | |
| MAX | 4.5 | 4.0 | 1.0 | 15 | 58 | 87 | 71 | 18 | 12 | | | |
| MIN | 1.0 | 1.0 | 1.0 | 1.0 | 4.0 | 42 | 18 | 9.0 | 6.5 | | | |
| AC-FT | 205 | 67 | 61 | 378 | 2,410 | 3,970 | 2,350 | 809 | 517 | | | |

41H 01500 West Fork Hyalite Creek Above Middle Creek Reservoir near Bozeman, MT

LOCATION -- Lat 45° 27' 38", long 110° 57' 19", in NE¼ SW¼ NW¼ Sec. 26, T. 4 S., R. 6 E., Gallatin County, on right bank 1 mi (2 km) upstream from Middle Creek Reservoir, at river mile 1.0 ( 1.6 km), 20 miles (32 km) south of Bozeman.

DRAINAGE AREA -- 11.4 sq. mi (29.5 sq. km).

GAGE -- Water stage recorder. Altitude of gage 6,760 ft (2,060 m) from topography map.

AVERAGE DISCHARGE -- 1975 to 1976 - 25,900 AF/year (31.9 cu. hm/year).

EXTREMES -- Period of record: Maximum discharge, 274 $ft^3/s$ (7.76 $m^3/s$), July 3 and 4, 1975. Minimum discharge, 6.7 $ft^3/s$ (0.19 $m^3/s$) during March 1976.

REMARKS -- Prior to October 1974, records were kept by U.S. Forest Service and/or Soil Conservation Service. Station installed October 1, 1974.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST FORK HYALITE CR ABOVE RESERVOIR NUMBER 41H 01500

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 14 | 17 | 11 | 11 | 11 | 69 | 220 | 58 | 20 | 14 | 17 | 11 |
| 2 | 14 | 14 | 11 | 11 | 11 | 87 | 251 | 48 | 24 | 14 | 17 | 11 |
| 3 | 14 | 14 | 11 | 11 | 11 | 129 | 274 | 48 | 20 | 14 | 17 | 11 |
| 4 | 14 | 11 | 11 | 11 | 11 | 114 | 274 | 43 | 20 | 14 | 17 | 11 |
| 5 | 14 | 11 | 11 | 11 | 11 | 122 | 262 | 43 | 20 | 14 | 17 | 11 |
| 6 | 14 | 11 | 11 | 11 | 11 | 145 | 274 | 43 | 17 | 14 | 17 | 11 |
| 7 | 14 | 11 | 11 | 11 | 11 | 171 | 251 | 48 | 17 | 14 | 14 | 11 |
| 8 | 14 | 11 | 11 | 11 | 11 | 154 | 240 | 43 | 17 | 14 | 14 | 11 |
| 9 | 14 | 14 | 11 | 11 | 11 | 114 | 240 | 39 | 17 | 14 | 14 | 11 |
| 10 | 14 | 11 | 11 | 11 | 14 | 100 | 220 | 39 | 17 | 14 | 14 | 11 |
| 11 | 14 | 11 | 11 | 11 | 14 | 94 | 220 | 35 | 17 | 14 | 14 | 11 |
| 12 | 14 | 11 | 11 | 11 | 20 | 100 | 190 | 35 | 17 | 14 | 14 | 11 |
| 13 | 14 | 11 | 11 | 11 | 20 | 122 | 190 | 39 | 17 | 14 | 14 | 11 |
| 14 | 14 | 11 | 11 | 11 | 31 | 145 | 180 | 39 | 17 | 14 | 14 | 11 |
| 15 | 14 | 11 | 11 | 11 | 48 | 162 | 220 | 35 | 17 | 14 | 14 | 11 |
| 16 | 14 | 11 | 11 | 11 | 69 | 137 | 180 | 39 | 17 | 14 | 14 | 11 |
| 17 | 14 | 11 | 11 | 11 | 75 | 129 | 137 | 31 | 20 | 14 | 14 | 11 |
| 18 | 14 | 11 | 11 | 11 | 75 | 122 | 114 | 31 | 20 | 17 | 14 | 11 |
| 19 | 14 | 11 | 11 | 11 | 75 | 114 | 114 | 27 | 17 | 17 | 11 | 11 |
| 20 | 14 | 11 | 11 | 11 | 63 | 114 | 114 | 27 | 17 | 17 | 11 | 11 |
| 21 | 14 | 11 | 11 | 11 | 52 | 107 | 114 | 24 | 17 | 35 | 11 | 11 |
| 22 | 14 | 11 | 11 | 11 | 43 | 122 | 94 | 24 | 17 | 31 | 11 | 11 |
| 23 | 14 | 11 | 11 | 11 | 39 | 145 | 81 | 24 | 20 | 27 | 14 | 11 |
| 24 | 14 | 11 | 11 | 11 | 35 | 240 | 81 | 27 | 20 | 24 | 14 | 11 |
| 25 | 14 | 11 | 11 | 11 | 31 | 240 | 75 | 24 | 17 | 24 | 14 | 11 |
| 26 | 11 | 11 | 11 | 11 | 31 | 210 | 69 | 24 | 17 | 20 | 14 | 11 |
| 27 | 11 | 11 | 11 | 11 | 31 | 171 | 63 | 24 | 17 | 20 | 11 | 11 |
| 28 | 14 | 11 | 11 | 11 | 31 | 151 | 58 | 20 | 17 | 17 | 11 | 8.8 |
| 29 | 14 | ------ | 11 | 11 | 35 | 162 | 58 | 20 | 17 | 17 | 11 | 8.8 |
| 30 | 14 | ------ | 11 | 11 | 43 | 190 | 69 | 20 | 17 | 17 | 11 | 8.8 |
| 31 | 17 | ------ | 11 | ------ | 52 | ------ | 75 | 20 | ------ | 17 | ------ | 8.8 |
| TOTAL | 431 | 323 | 341 | 330 | 1,026 | 4,182 | 5,002 | 1,041 | 541 | 538 | 414 | 332.2 |
| MEAN | 13.9 | 11.5 | 11.0 | 11.0 | 33.1 | 139 | 161 | 33.6 | 18.0 | 17.4 | 13.8 | 10.7 |
| MAX | 17 | 17 | 11 | 11 | 75 | 240 | 274 | 58 | 24 | 35 | 17 | 11 |
| MIN | 11 | 11 | 11 | 11 | 11 | 69 | 58 | 20 | 17 | 14 | 11 | 8.8 |
| AC-FT | 855 | 641 | 676 | 655 | 2,040 | 8,300 | 9,920 | 2,060 | 1,070 | 1,070 | 821 | 659 |

CAL YR 1975 TOTAL 14,501.2 MEAN 39.7 MAX 274 MIN 8.8 AC-FT 28,760

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

WEST FORK HYALITE CR ABOVE RESERVOIR NUMBER 41H 01500

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.8 | 8.8 | 6.7 | 8.8 | 11 | 100 | 162 | 43 | 17 | | | |
| 2 | 11 | 8.8 | 6.7 | 8.8 | 14 | 100 | 129 | 39 | 17 | | | |
| 3 | 11 | 8.8 | 6.7 | 8.8 | 20 | 129 | 114 | 39 | 14 | | | |
| 4 | 11 | 8.8 | 8.8 | 8.8 | 27 | 129 | 114 | 39 | 14 | | | |
| 5 | 8.8 | 8.8 | 8.8 | 8.8 | 27 | 129 | 122 | 43 | 14 | | | |
| 6 | 8.8 | 8.8 | 8.8 | 8.8 | 27 | 129 | 129 | 35 | 17 | | | |
| 7 | 8.8 | 8.8 | 8.8 | 11 | 35 | 145 | 122 | 35 | 17 | | | |
| 8 | 8.8 | 8.8 | 8.8 | 11 | 43 | 145 | 122 | 31 | 17 | | | |
| 9 | 8.8 | 8.8 | 8.8 | 14 | 52 | 145 | 114 | 31 | 14 | | | |
| 10 | 8.8 | 8.8 | 8.8 | 11 | 69 | 145 | 107 | 29 | 14 | | | |
| 11 | 8.8 | 8.8 | 8.8 | 14 | 75 | 137 | 100 | 27 | 14 | | | |
| 12 | 8.8 | 8.8 | 8.8 | 17 | 63 | 114 | 107 | 27 | 17 | | | |
| 13 | 8.8 | 8.8 | 8.8 | 17 | 75 | 94 | 87 | 27 | 14 | | | |
| 14 | 8.8 | 8.8 | 8.8 | 17 | 81 | 81 | 81 | 24 | 14 | | | |
| 15 | 8.8 | 8.8 | 8.8 | 14 | 75 | 75 | 75 | 24 | 14 | | | |
| 16 | 8.8 | 8.8 | 6.7 | 14 | 75 | 81 | 75 | 24 | 14 | | | |
| 17 | 8.8 | 8.8 | 6.7 | 14 | 94 | 87 | 75 | 24 | 14 | | | |
| 18 | 8.8 | 8.8 | 6.7 | 14 | 94 | 87 | 75 | 20 | 20 | | | |
| 19 | 8.8 | 8.8 | 6.7 | 11 | 100 | 94 | 75 | 20 | 17 | | | |
| 20 | 8.8 | 8.8 | 6.7 | 11 | 107 | 114 | 69 | 20 | 17 | | | |
| 21 | 8.8 | 8.8 | 6.7 | 11 | 107 | 129 | 69 | 20 | 17 | | | |
| 22 | 8.8 | 8.8 | 6.7 | 11 | 107 | 137 | 58 | 17 | 17 | | | |
| 23 | 8.8 | 8.8 | 6.7 | 11 | 107 | 114 | 58 | 20 | 20 | | | |
| 24 | 8.8 | 8.8 | 6.7 | 11 | 93 | 94 | 52 | 20 | 17 | | | |
| 25 | 8.8 | 8.8 | 8.8 | 11 | 87 | 81 | 52 | 20 | 17 | | | |
| 26 | 8.8 | 8.8 | 8.8 | 11 | 81 | 75 | 48 | 17 | 17 | | | |
| 27 | 8.8 | 8.8 | 8.8 | 11 | 93 | 75 | 48 | 17 | 17 | | | |
| 28 | 8.8 | 8.8 | 8.8 | 11 | 100 | 75 | 43 | 17 | 14 | | | |
| 29 | 8.8 | 8.8 | 8.8 | 11 | 107 | 87 | 43 | 17 | 14 | | | |
| 30 | 8.8 | ------ | 8.8 | 11 | 100 | 129 | 43 | 17 | 14 | | | |
| 31 | 8.8 | ------ | 8.8 | ------ | 100 | ------ | 43 | 17 | ------ | | ------ | |
| TOTAL | 279.4 | 255.2 | 247.6 | 352.8 | 2,246 | 3,256 | 2,611 | 800 | 474 | | | |
| MEAN | 9.01 | 8.80 | 7.99 | 11.8 | 72.5 | 109 | 84.2 | 25.8 | 15.8 | | | |
| MAX | 11 | 8.8 | 8.8 | 17 | 107 | 145 | 162 | 43 | 20 | | | |
| MIN | 8.8 | 8.8 | 6.7 | 8.8 | 11 | 75 | 43 | 17 | 14 | | | |
| AC-FT | 554 | 506 | 491 | 700 | 4,450 | 6,460 | 5,180 | 1,590 | 940 | | | |

41I 02000 Broadwater East Canal Below Headgate near Toston, MT

LOCATION -- Lat 46° 08' 20", long 111° 24' 10", in SW¼ SE¼ SW¼ Sec. 31, T. 5 N., R. 3 E., Broadwater County, on right bank 0.2 mi (0.3 km) downstream from division, which is 1.7 mi (2.7 km) downstream from point of diversion, which is at river mile 2,295.0 (3,692.7 km) 3.2 mi (5.1 km) south of Toston.

DRAINAGE AREA -- Above point of diversion 14,663 sq. mi (37,977 sq. km).

GAGE -- Water stage recorder. Altitude of gage 3,950 ft (1,204 m) from topography map.

AVERAGE DISCHARGE -- 1966 to 1976 - 60,300 AF/season (74.3 cu. km/season).

EXTREMES -- Period of record: Maximum discharge, 321 $ft^3/s$ (9.09 $m^3/s$) July 21 and 22, 1966. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth. Station operated by U.S. Geological Survey 1941 to 1949.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 411 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 113 | 261 | 267 | 294 | | | | |
| 2 | | | | | 113 | 267 | 267 | 301 | | | | |
| 3 | | | | | 117 | 267 | 261 | 294 | | | | |
| 4 | | | | | 128 | 261 | 261 | 301 | | | | |
| 5 | | | | | 128 | 261 | 261 | 308 | | | | |
| 6 | | | | | 139 | 267 | 261 | 301 | | | | |
| 7 | | | | | 159 | 280 | 261 | 301 | | | | |
| 8 | | | | | 159 | 274 | 261 | 301 | | | | |
| 9 | | | | | 159 | 274 | 261 | 301 | | | | |
| 10 | | | | | 166 | 280 | 280 | 294 | | | | |
| 11 | | | | | 178 | 294 | 280 | 294 | | | | |
| 12 | | | | | 170 | 280 | 287 | 301 | | | | |
| 13 | | | | | 170 | 280 | 301 | 301 | | | | |
| 14 | | | | | 163 | 280 | 301 | 280 | | | | |
| 15 | | | | | 163 | 280 | 301 | 267 | | | | |
| 16 | | | | | 174 | 274 | 301 | 267 | | | | |
| 17 | | | | | 170 | 280 | 301 | 267 | | | | |
| 18 | | | | | 166 | 280 | 308 | 267 | | | | |
| 19 | | | | | 166 | 280 | 301 | 267 | | | | |
| 20 | | | | | 163 | 280 | 308 | 274 | | | | |
| 21 | | | | | 159 | 280 | 321 | 280 | | | | |
| 22 | | | | | 163 | 287 | 321 | 280 | | | | |
| 23 | | | | | 170 | 294 | 223 | 280 | | | | |
| 24 | | | | | 166 | 287 | 0 | 287 | | | | |
| 25 | | | | | 174 | 294 | 0 | 287 | | | | |
| 26 | | | | | 200 | 301 | 0 | 287 | | | | |
| 27 | | | | | 255 | 301 | 280 | 287 | | | | |
| 28 | | | | | 261 | 287 | 301 | 287 | | | | |
| 29 | | ------ | | | 261 | 274 | 301 | 280 | | | | |
| 30 | | ------ | | | 261 | 267 | 301 | 280 | | | | |
| 31 | | ------ | | ------ | 267 | ------ | 294 | 280 | ------ | | ------ | |
| TOTAL | | | | | 5,401 | 8,372 | 7,972 | 8,896 | | | | |
| MEAN | | | | | 174 | 279 | 257 | 287 | | | | |
| MAX | | | | | 267 | 301 | 321 | 308 | | | | |
| MIN | | | | | 113 | 261 | 0 | 267 | | | | |
| AC-FT | | | | | 10,710 | 16,610 | 15,810 | 17,650 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 411 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 147 | 128 | 249 | 73 | | | |
| 2 | | | | | | 147 | 128 | 267 | 0 | | | |
| 3 | | | | | | 147 | 141 | 274 | 0 | | | |
| 4 | | | | | | 155 | 150 | 274 | 26 | | | |
| 5 | | | | | | 147 | 166 | 274 | 0 | | | |
| 6 | | | | | | 155 | 178 | 274 | 0 | | | |
| 7 | | | | | | 147 | 174 | 261 | 0 | | | |
| 8 | | | | | | 155 | 174 | 261 | 0 | | | |
| 9 | | | | | | 155 | 174 | 267 | 80 | | | |
| 10 | | | | | | 155 | 187 | 267 | 147 | | | |
| 11 | | | | | | 139 | 187 | 261 | 166 | | | |
| 12 | | | | | | 139 | 178 | 261 | 170 | | | |
| 13 | | | | | | 139 | 200 | 280 | 170 | | | |
| 14 | | | | | | 133 | 226 | 274 | 170 | | | |
| 15 | | | | | | 128 | 220 | 274 | 166 | | | |
| 16 | | | | | | 128 | 220 | 274 | 159 | | | |
| 17 | | | | | | 128 | 231 | 274 | 159 | | | |
| 18 | | | | | | 128 | 237 | 280 | 156 | | | |
| 19 | | | | | | 126 | 231 | 280 | 156 | | | |
| 20 | | | | | | 131 | 231 | 287 | 156 | | | |
| 21 | | | | | | 133 | 226 | 287 | 153 | | | |
| 22 | | | | | | 133 | 220 | 280 | 150 | | | |
| 23 | | | | | | 133 | 220 | 280 | 147 | | | |
| 24 | | | | | | 133 | 226 | 274 | 150 | | | |
| 25 | | | | | | 133 | 237 | 267 | 153 | | | |
| 26 | | | | | | 131 | 243 | 261 | 150 | | | |
| 27 | | | | | | 128 | 237 | 255 | 153 | | | |
| 28 | | | | | | 128 | 237 | 255 | 153 | | | |
| 29 | | ------ | | | | 126 | 237 | 255 | 153 | | | |
| 30 | | ------ | | | | 128 | 249 | 255 | 147 | | | |
| 31 | | ------ | | ------ | | ------ | 249 | 255 | ------ | | ------ | |
| TOTAL | | | | | | 4,135 | 6,342 | 8,337 | 3,463 | | | |
| MEAN | | | | | | 138 | 205 | 269 | 115 | | | |
| MAX | | | | | | 155 | 249 | 287 | 170 | | | |
| MIN | | | | | | 126 | 128 | 249 | 0 | | | |
| AC-FT | | | | | | 8,200 | 12,580 | 16,540 | 6,870 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 411 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 196 | 280 | 205 | | | |
| 2 | | | | | | 0 | 200 | 274 | 205 | | | |
| 3 | | | | | | 0 | 215 | 274 | 205 | | | |
| 4 | | | | | | 0 | 215 | 274 | 205 | | | |
| 5 | | | | | | 0 | 215 | 280 | 205 | | | |
| 6 | | | | | | 0 | 220 | 280 | 205 | | | |
| 7 | | | | | | 0 | 220 | 280 | 205 | | | |
| 8 | | | | | | 0 | 231 | 274 | 205 | | | |
| 9 | | | | | | 0 | 255 | 280 | 205 | | | |
| 10 | | | | | | 0 | 255 | 274 | 205 | | | |
| 11 | | | | | | 116 | 255 | 280 | 205 | | | |
| 12 | | | | | | 113 | 255 | 280 | 205 | | | |
| 13 | | | | | | 141 | 255 | 280 | 205 | | | |
| 14 | | | | | | 144 | 261 | 287 | 210 | | | |
| 15 | | | | | | 141 | 267 | 267 | 210 | | | |
| 16 | | | | | | 136 | 261 | 255 | 210 | | | |
| 17 | | | | | | 156 | 261 | 261 | 210 | | | |
| 18 | | | | | | 156 | 255 | 261 | 210 | | | |
| 19 | | | | | | 170 | 261 | 243 | 210 | | | |
| 20 | | | | | | 170 | 261 | 220 | 215 | | | |
| 21 | | | | | | 170 | 261 | 220 | 220 | | | |
| 22 | | | | | | 187 | 267 | 215 | 196 | | | |
| 23 | | | | | | 200 | 280 | 215 | 170 | | | |
| 24 | | | | | | 200 | 287 | 215 | 170 | | | |
| 25 | | | | | | 200 | 287 | 215 | 166 | | | |
| 26 | | | | | | 200 | 280 | 210 | 163 | | | |
| 27 | | | | | | 200 | 280 | 210 | 159 | | | |
| 28 | | | | | | 200 | 287 | 210 | 159 | | | |
| 29 | | | | | | 200 | 280 | 210 | 163 | | | |
| 30 | | ------ | | | | 196 | 280 | 210 | 163 | | | |
| 31 | | ------ | | ------ | | ------ | 274 | 210 | ------ | | ------ | |
| TOTAL | | | | | 0 | 3,396 | 7,877 | 7,744 | 5,869 | | | |
| MEAN | | | | | 0 | 113 | 254 | 250 | 196 | | | |
| MAX | | | | | 0 | 200 | 287 | 287 | 220 | | | |
| MIN | | | | | 0 | 0 | 196 | 210 | 159 | | | |
| AC-FT | | | | | 0 | 6,740 | 15,620 | 15,360 | 11,640 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 411 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 209 | 131 | 276 | 226 | | | |
| 2 | | | | | | 201 | 131 | 276 | 213 | | | |
| 3 | | | | | | 205 | 131 | 280 | 213 | | | |
| 4 | | | | | | 235 | 131 | 280 | 213 | | | |
| 5 | | | | | | 231 | 131 | 276 | 213 | | | |
| 6 | | | | | | 229 | 128 | 271 | 213 | | | |
| 7 | | | | | | 222 | 131 | 267 | 213 | | | |
| 8 | | | | | | 222 | 131 | 267 | 213 | | | |
| 9 | | | | | | 222 | 133 | 262 | 213 | | | |
| 10 | | | | | | 222 | 133 | 258 | 213 | | | |
| 11 | | | | | | 222 | 133 | 253 | 213 | | | |
| 12 | | | | | | 224 | 131 | 253 | 209 | | | |
| 13 | | | | | | 235 | 128 | 258 | 209 | | | |
| 14 | | | | | | 240 | 148 | 262 | 197 | | | |
| 15 | | | | | | 224 | 182 | 258 | 193 | | | |
| 16 | | | | | | 224 | 189 | 249 | 185 | | | |
| 17 | | | | | | 240 | 205 | 244 | 178 | | | |
| 18 | | | | | | 240 | 201 | 249 | 182 | | | |
| 19 | | | | | | 231 | 197 | 213 | 185 | | | |
| 20 | | | | | | 231 | 201 | 193 | 185 | | | |
| 21 | | | | | | 226 | 213 | 189 | 178 | | | |
| 22 | | | | | | 235 | 244 | 189 | 171 | | | |
| 23 | | | | | | 240 | 280 | 185 | 178 | | | |
| 24 | | | | | | 244 | 280 | 185 | 185 | | | |
| 25 | | | | | | 235 | 276 | 189 | 185 | | | |
| 26 | | | | | | 235 | 271 | 185 | 182 | | | |
| 27 | | | | | | 201 | 280 | 213 | 182 | | | |
| 28 | | | | | | 157 | 280 | 235 | 182 | | | |
| 29 | | ------ | | | | 133 | 280 | 244 | 185 | | | |
| 30 | | ------ | | | | 133 | 280 | 240 | 185 | | | |
| 31 | | ------ | | ------ | | ------ | 280 | 240 | ------ | | ------ | |
| TOTAL | | | | | | 6,548 | 5,990 | 7,439 | 5,892 | | | |
| MEAN | | | | | | 218 | 193 | 240 | 196 | | | |
| MAX | | | | | | 244 | 280 | 280 | 226 | | | |
| MIN | | | | | | 133 | 128 | 185 | 171 | | | |
| AC-FT | | | | | | 12,990 | 11,880 | 14,760 | 11,690 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 41I 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 119 | 151 | 234 | 238 | | | |
| 2 | | | | | | 154 | 154 | 234 | 242 | | | |
| 3 | | | | | | 158 | 158 | 230 | 242 | | | |
| 4 | | | | | | 162 | 147 | 226 | 242 | | | |
| 5 | | | | | | 166 | 158 | 230 | 238 | | | |
| 6 | | | | | | 166 | 234 | 242 | 234 | | | |
| 7 | | | | | | 162 | 234 | 247 | 230 | | | |
| 8 | | | | | | 162 | 230 | 242 | 238 | | | |
| 9 | | | | | | 162 | 230 | 234 | 242 | | | |
| 10 | | | | | | 158 | 226 | 234 | 242 | | | |
| 11 | | | | | | 170 | 230 | 238 | 234 | | | |
| 12 | | | | | | 170 | 242 | 238 | 206 | | | |
| 13 | | | | | | 166 | 260 | 234 | 182 | | | |
| 14 | | | | | | 166 | 260 | 234 | 186 | | | |
| 15 | | | | | | 166 | 260 | 242 | 182 | | | |
| 16 | | | | | | 166 | 251 | 247 | 178 | | | |
| 17 | | | | | | 162 | 251 | 242 | 190 | | | |
| 18 | | | | | | 154 | 256 | 234 | 182 | | | |
| 19 | | | | | | 144 | 265 | 226 | 158 | | | |
| 20 | | | | | | 144 | 260 | 226 | 162 | | | |
| 21 | | | | | | 144 | 251 | 230 | 170 | | | |
| 22 | | | | | | 144 | 251 | 234 | 174 | | | |
| 23 | | | | | | 147 | 256 | 230 | 174 | | | |
| 24 | | | | | | 147 | 256 | 226 | 170 | | | |
| 25 | | | | | | 147 | 256 | 226 | 170 | | | |
| 26 | | | | | | 147 | 251 | 234 | 174 | | | |
| 27 | | | | | | 137 | 251 | 242 | 174 | | | |
| 28 | | | | | | 147 | 238 | 234 | 174 | | | |
| 29 | | ------ | | | | 151 | 238 | 242 | 170 | | | |
| 30 | | ------ | | | | 154 | 238 | 238 | 166 | | | |
| 31 | | ------ | | ------ | | ------ | 234 | 238 | ------ | | ------ | |
| TOTAL | | | | | | 4,642 | 7,177 | 7,288 | 5,964 | | | |
| MEAN | | | | | | 155 | 232 | 235 | 199 | | | |
| MAX | | | | | | 170 | 265 | 247 | 242 | | | |
| MIN | | | | | | 119 | 147 | 226 | 158 | | | |
| AC-FT | | | | | | 9,210 | 14,240 | 14,460 | 11,830 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 41I 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 69 | 230 | 226 | 264 | 260 | 170 | | |
| 2 | | | | | 72 | 230 | 214 | 264 | 260 | 170 | | |
| 3 | | | | | 72 | 222 | 202 | 269 | 251 | 166 | | |
| 4 | | | | | 101 | 230 | 202 | 269 | 246 | 150 | | |
| 5 | | | | | 133 | 230 | 198 | 269 | 242 | 126 | | |
| 6 | | | | | 133 | 230 | 206 | 274 | 242 | 126 | | |
| 7 | | | | | 147 | 230 | 218 | 274 | 238 | 50 | | |
| 8 | | | | | 162 | 234 | 210 | 274 | 234 | 0 | | |
| 9 | | | | | 162 | 234 | 210 | 274 | 226 | 0 | | |
| 10 | | | | | 166 | 238 | 222 | 274 | 226 | 0 | | |
| 11 | | | | | 170 | 238 | 222 | 274 | 226 | 0 | | |
| 12 | | | | | 178 | 234 | 230 | 274 | 222 | 0 | | |
| 13 | | | | | 178 | 234 | 226 | 274 | 214 | 0 | | |
| 14 | | | | | 182 | 234 | 230 | 266 | 190 | 0 | | |
| 15 | | | | | 182 | 234 | 234 | 264 | 186 | 0 | | |
| 16 | | | | | 206 | 230 | 256 | 269 | 190 | 0 | | |
| 17 | | | | | 238 | 230 | 274 | 264 | 190 | 0 | | |
| 18 | | | | | 242 | 230 | 274 | 260 | 190 | 0 | | |
| 19 | | | | | 234 | 230 | 269 | 260 | 190 | 0 | | |
| 20 | | | | | 226 | 230 | 274 | 264 | 194 | 0 | | |
| 21 | | | | | 222 | 230 | 269 | 260 | 194 | 0 | | |
| 22 | | | | | 226 | 230 | 274 | 264 | 190 | 0 | | |
| 23 | | | | | 218 | 230 | 269 | 264 | 190 | 0 | | |
| 24 | | | | | 222 | 234 | 269 | 264 | 190 | 0 | | |
| 25 | | | | | 226 | 230 | 269 | 260 | 190 | 0 | | |
| 26 | | | | | 226 | 238 | 264 | 260 | 194 | 0 | | |
| 27 | | | | | 230 | 251 | 264 | 256 | 186 | 0 | | |
| 28 | | | | | 234 | 246 | 269 | 264 | 166 | 0 | | |
| 29 | | ------ | | | 234 | 238 | 264 | 269 | 166 | 0 | | |
| 30 | | ------ | | | 230 | 230 | 264 | 269 | 166 | 0 | | |
| 31 | | ------ | | ------ | 230 | ------ | 264 | 260 | ------ | 0 | ------ | |
| TOTAL | | | | | 5,751 | 6,989 | 7,536 | 8,264 | 6,249 | 958 | | |
| MEAN | | | | | 186 | 233 | 243 | 267 | 208 | 30.9 | | |
| MAX | | | | | 242 | 251 | 274 | 274 | 260 | 170 | | |
| MIN | | | | | 69 | 222 | 198 | 256 | 166 | 0 | | |
| AC-FT | | | | | 11,410 | 13,860 | 14,950 | 16,390 | 12,390 | 1,900 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 411 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 50 | 242 | 210 | 260 | 202 | | | |
| 2 | | | | 0 | 48 | 242 | 206 | 260 | 202 | | | |
| 3 | | | | 0 | 46 | 234 | 206 | 260 | 202 | | | |
| 4 | | | | 0 | 58 | 238 | 206 | 260 | 202 | | | |
| 5 | | | | 0 | 86 | 234 | 218 | 260 | 202 | | | |
| 6 | | | | 0 | 141 | 238 | 218 | 269 | 202 | | | |
| 7 | | | | 0 | 182 | 247 | 222 | 265 | 198 | | | |
| 8 | | | | 0 | 186 | 247 | 222 | 260 | 198 | | | |
| 9 | | | | 0 | 174 | 242 | 222 | 260 | 186 | | | |
| 10 | | | | 0 | 166 | 242 | 222 | 251 | 190 | | | |
| 11 | | | | 0 | 182 | 234 | 226 | 242 | 198 | | | |
| 12 | | | | 0 | 198 | 230 | 242 | 247 | 198 | | | |
| 13 | | | | 0 | 202 | 242 | 247 | 242 | 202 | | | |
| 14 | | | | 0 | 218 | 242 | 256 | 251 | 186 | | | |
| 15 | | | | 0 | 214 | 234 | 265 | 256 | 194 | | | |
| 16 | | | | 0 | 210 | 226 | 269 | 226 | 226 | | | |
| 17 | | | | 0 | 214 | 230 | 269 | 226 | 230 | | | |
| 18 | | | | 0 | 210 | 230 | 269 | 226 | 234 | | | |
| 19 | | | | 0 | 214 | 230 | 269 | 226 | 230 | | | |
| 20 | | | | 0 | 214 | 226 | 269 | 226 | 230 | | | |
| 21 | | | | 0 | 210 | 214 | 274 | 226 | 218 | | | |
| 22 | | | | 0 | 214 | 206 | 269 | 226 | 210 | | | |
| 23 | | | | 0 | 214 | 210 | 265 | 226 | 218 | | | |
| 24 | | | | 0 | 214 | 226 | 265 | 222 | 178 | | | |
| 25 | | | | 0 | 214 | 222 | 260 | 214 | 138 | | | |
| 26 | | | | 4.4 | 210 | 202 | 265 | 214 | 198 | | | |
| 27 | | | | 0 | 210 | 198 | 265 | 214 | 190 | | | |
| 28 | | | | 37 | 210 | 190 | 260 | 214 | 198 | | | |
| 29 | | | | 0 | 210 | 198 | 260 | 214 | 202 | | | |
| 30 | | ------ | | 13 | 214 | 202 | 256 | 214 | 198 | | | |
| 31 | | ------ | | ------ | 226 | ------ | 256 | 210 | ------ | | ------ | |
| TOTAL | | | | 54.4 | 5,559 | 6,798 | 7,628 | 7,367 | 6,060 | | | |
| MEAN | | | | 1.81 | 179 | 227 | 246 | 238 | 202 | | | |
| MAX | | | | 37 | 226 | 247 | 274 | 269 | 234 | | | |
| MIN | | | | 0 | 46 | 190 | 206 | 210 | 138 | | | |
| AC-FT | | | | 108 | 11,030 | 13,480 | 15,130 | 14,610 | 12,020 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 411 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 107 | 234 | 234 | 269 | 230 | 170 | | |
| 2 | | | | 0 | 113 | 234 | 234 | 269 | 226 | 166 | | |
| 3 | | | | 0 | 124 | 234 | 238 | 269 | 210 | 162 | | |
| 4 | | | | 0 | 141 | 234 | 234 | 269 | 206 | 162 | | |
| 5 | | | | 0 | 152 | 234 | 234 | 265 | 186 | 166 | | |
| 6 | | | | 0 | 138 | 234 | 234 | 265 | 182 | 166 | | |
| 7 | | | | 0 | 134 | 230 | 238 | 265 | 174 | 166 | | |
| 8 | | | | 0 | 145 | 222 | 238 | 260 | 174 | 166 | | |
| 9 | | | | 0 | 141 | 238 | 238 | 260 | 174 | 162 | | |
| 10 | | | | 0 | 138 | 247 | 234 | 265 | 174 | 162 | | |
| 11 | | | | 0 | 141 | 247 | 226 | 265 | 170 | 152 | | |
| 12 | | | | 0 | 141 | 238 | 238 | 265 | 174 | 134 | | |
| 13 | | | | 0 | 141 | 238 | 247 | 269 | 174 | 124 | | |
| 14 | | | | 0 | 141 | 251 | 256 | 269 | 174 | 104 | | |
| 15 | | | | 0 | 166 | 251 | 265 | 269 | 166 | 81 | | |
| 16 | | | | 0 | 182 | 256 | 265 | 269 | 159 | 27 | | |
| 17 | | | | 0 | 206 | 251 | 269 | 269 | 159 | 0 | | |
| 18 | | | | 0 | 234 | 247 | 265 | 269 | 159 | 0 | | |
| 19 | | | | 0 | 222 | 234 | 269 | 269 | 159 | 0 | | |
| 20 | | | | 0 | 218 | 238 | 269 | 274 | 159 | 0 | | |
| 21 | | | | 0 | 218 | 247 | 269 | 269 | 159 | 0 | | |
| 22 | | | | 0 | 222 | 247 | 269 | 274 | 159 | 0 | | |
| 23 | | | | 0 | 218 | 242 | 269 | 269 | 159 | 0 | | |
| 24 | | | | 0 | 218 | 238 | 274 | 251 | 159 | 0 | | |
| 25 | | | | 0 | 218 | 230 | 269 | 242 | 155 | 0 | | |
| 26 | | | | 46 | 214 | 234 | 269 | 247 | 155 | 0 | | |
| 27 | | | | 98 | 218 | 238 | 269 | 242 | 152 | 0 | | |
| 28 | | | | 104 | 222 | 238 | 274 | 238 | 155 | 0 | | |
| 29 | | ------ | | 110 | 222 | 238 | 274 | 238 | 166 | 0 | | |
| 30 | | ------ | | 107 | 234 | 242 | 274 | 238 | 170 | 0 | | |
| 31 | | ------ | | ------ | 234 | ------ | 274 | 234 | ------ | 0 | ------ | |
| TOTAL | | | | 465 | 5,563 | 7,186 | 7,909 | 8,085 | 5,178 | 2,270 | | |
| MEAN | | | | 15.5 | 179 | 240 | 255 | 261 | 173 | 73.2 | | |
| MAX | | | | 110 | 234 | 256 | 274 | 274 | 230 | 170 | | |
| MIN | | | | 0 | 107 | 222 | 226 | 234 | 152 | 0 | | |
| AC-FT | | | | 922 | 11,030 | 14,250 | 15,690 | 16,040 | 10,270 | 4,500 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 41I 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 127 | 206 | 242 | 296 | 206 | 190 | | |
| 2 | | | | | 141 | 202 | 238 | 278 | 206 | 190 | | |
| 3 | | | | | 155 | 194 | 238 | 278 | 206 | 186 | | |
| 4 | | | | | 178 | 198 | 238 | 278 | 206 | 186 | | |
| 5 | | | | | 186 | 198 | 234 | 273 | 206 | 186 | | |
| 6 | | | | | 182 | 198 | 234 | 273 | 210 | 190 | | |
| 7 | | | | | 178 | 194 | 230 | 278 | 210 | 186 | | |
| 8 | | | | | 182 | 194 | 234 | 273 | 210 | 182 | | |
| 9 | | | | | 182 | 194 | 230 | 273 | 178 | 174 | | |
| 10 | | | | | 190 | 194 | 230 | 269 | 182 | 174 | | |
| 11 | | | | | 194 | 190 | 230 | 269 | 182 | 178 | | |
| 12 | | | | | 198 | 202 | 234 | 269 | 182 | 178 | | |
| 13 | | | | | 202 | 222 | 238 | 269 | 186 | 178 | | |
| 14 | | | | | 206 | 222 | 234 | 251 | 190 | 178 | | |
| 15 | | | | | 206 | 218 | 234 | 242 | 190 | 174 | | |
| 16 | | | | | 202 | 218 | 234 | 242 | 194 | 84 | | |
| 17 | | | | | 202 | 234 | 242 | 242 | 194 | 0 | | |
| 18 | | | | | 206 | 230 | 247 | 242 | 194 | 0 | | |
| 19 | | | | | 210 | 222 | 251 | 238 | 194 | 0 | | |
| 20 | | | | | 210 | 230 | 265 | 218 | 194 | 0 | | |
| 21 | | | | | 206 | 234 | 269 | 206 | 194 | 0 | | |
| 22 | | | | | 206 | 234 | 265 | 206 | 194 | 0 | | |
| 23 | | | | | 206 | 226 | 269 | 206 | 194 | 0 | | |
| 24 | | | | | 206 | 234 | 269 | 206 | 194 | 0 | | |
| 25 | | | | | 210 | 226 | 273 | 206 | 194 | 0 | | |
| 26 | | | | | 210 | 230 | 269 | 206 | 194 | 0 | | |
| 27 | | | | | 214 | 230 | 273 | 206 | 186 | 0 | | |
| 28 | | | | | 214 | 218 | 273 | 206 | 186 | 0 | | |
| 29 | | ------ | | | 210 | 218 | 273 | 206 | 182 | 0 | | |
| 30 | | ------ | | | 210 | 230 | 273 | 206 | 190 | 0 | | |
| 31 | | ------ | | ------ | 206 | ------ | 278 | 206 | ------ | 0 | ------ | |
| TOTAL | | | | | 6,035 | 6,440 | 7,741 | 7,517 | 5,828 | 2,814 | | |
| MEAN | | | | | 195 | 215 | 250 | 242 | 194 | 90.8 | | |
| MAX | | | | | 214 | 234 | 278 | 296 | 210 | 190 | | |
| MIN | | | | | 127 | 190 | 230 | 206 | 178 | 0 | | |
| AC-FT | | | | | 11,970 | 12,770 | 15,350 | 14,910 | 11,560 | 5,580 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 41I 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 141 | 170 | 234 | 218 | 202 | | |
| 2 | | | | | 0 | 159 | 170 | 226 | 214 | 202 | | |
| 3 | | | | | 0 | 182 | 174 | 218 | 210 | 202 | | |
| 4 | | | | | 0 | 190 | 174 | 222 | 210 | 198 | | |
| 5 | | | | | 0 | 198 | 174 | 222 | 210 | 198 | | |
| 6 | | | | | 0 | 206 | 174 | 226 | 210 | 194 | | |
| 7 | | | | | 0 | 210 | 174 | 222 | 210 | 198 | | |
| 8 | | | | | 0 | 210 | 182 | 222 | 210 | 198 | | |
| 9 | | | | | 0 | 214 | 186 | 226 | 206 | 198 | | |
| 10 | | | | | 0 | 210 | 194 | 222 | 206 | 198 | | |
| 11 | | | | | 0 | 206 | 206 | 222 | 206 | 194 | | |
| 12 | | | | | 0 | 202 | 210 | 222 | 202 | 190 | | |
| 13 | | | | | 0 | 198 | 218 | 222 | 202 | 194 | | |
| 14 | | | | | 0 | 202 | 218 | 230 | 202 | 162 | | |
| 15 | | | | | 0 | 206 | 210 | 230 | 202 | 138 | | |
| 16 | | | | | 0 | 206 | 218 | 230 | 202 | 58 | | |
| 17 | | | | | 0 | 206 | 214 | 230 | 202 | 0 | | |
| 18 | | | | | 0 | 206 | 214 | 234 | 206 | 0 | | |
| 19 | | | | | 0 | 202 | 202 | 230 | 206 | 0 | | |
| 20 | | | | | 0 | 202 | 194 | 230 | 202 | 0 | | |
| 21 | | | | | 0 | 198 | 210 | 226 | 202 | 0 | | |
| 22 | | | | | 0 | 198 | 230 | 230 | 202 | 0 | | |
| 23 | | | | | 0 | 194 | 226 | 230 | 206 | 0 | | |
| 24 | | | | | 0 | 194 | 226 | 230 | 206 | 0 | | |
| 25 | | | | | 0 | 190 | 218 | 222 | 206 | 0 | | |
| 26 | | | | | 0 | 186 | 218 | 222 | 202 | 0 | | |
| 27 | | | | | 124 | 178 | 218 | 222 | 202 | 0 | | |
| 28 | | | | | 117 | 178 | 226 | 222 | 202 | 0 | | |
| 29 | | ------ | | | 101 | 174 | 247 | 222 | 206 | 0 | | |
| 30 | | ------ | | | 138 | 174 | 238 | 218 | 206 | 0 | | |
| 31 | | ------ | | ------ | 138 | ------ | 230 | 218 | ------ | 0 | ------ | |
| TOTAL | | | | 0 | 618 | 5,820 | 6,363 | 6,982 | 6,176 | 2,924 | | |
| MEAN | | | | 0 | 19.9 | 194 | 205 | 225 | 206 | 94.3 | | |
| MAX | | | | 0 | 138 | 214 | 247 | 234 | 218 | 202 | | |
| MIN | | | | 0 | 0 | 141 | 170 | 218 | 202 | 0 | | |
| AC-FT | | | | 0 | 1,230 | 11,540 | 12,620 | 13,850 | 12,250 | 5,800 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER EAST CANAL BELOW HEAD GATE NUMBER 411 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 86 | 230 | 170 | 234 | 218 | | | |
| 2 | | | | | 92 | 226 | 186 | 234 | 214 | | | |
| 3 | | | | | 98 | 222 | 214 | 234 | 206 | | | |
| 4 | | | | | 107 | 222 | 214 | 238 | 206 | | | |
| 5 | | | | | 113 | 230 | 210 | 238 | 198 | | | |
| 6 | | | | | 117 | 230 | 210 | 238 | 198 | | | |
| 7 | | | | | 117 | 230 | 206 | 234 | 198 | | | |
| 8 | | | | | 127 | 230 | 214 | 234 | 198 | | | |
| 9 | | | | | 141 | 222 | 234 | 234 | 202 | | | |
| 10 | | | | | 145 | 222 | 242 | 234 | 202 | | | |
| 11 | | | | | 145 | 222 | 256 | 234 | 206 | | | |
| 12 | | | | | 138 | 222 | 265 | 230 | 214 | | | |
| 13 | | | | | 141 | 230 | 265 | 222 | 210 | | | |
| 14 | | | | | 159 | 238 | 269 | 222 | 202 | | | |
| 15 | | | | | 166 | 234 | 269 | 222 | 194 | | | |
| 16 | | | | | 166 | 222 | 265 | 218 | 190 | | | |
| 17 | | | | | 174 | 226 | 260 | 222 | 190 | | | |
| 18 | | | | | 194 | 222 | 260 | 218 | 190 | | | |
| 19 | | | | | 210 | 210 | 265 | 218 | 194 | | | |
| 20 | | | | | 214 | 210 | 260 | 222 | 190 | | | |
| 21 | | | | | 222 | 218 | 260 | 222 | 186 | | | |
| 22 | | | | | 226 | 226 | 260 | 222 | 182 | | | |
| 23 | | | | | 226 | 218 | 260 | 226 | 170 | | | |
| 24 | | | | | 226 | 202 | 260 | 234 | 162 | | | |
| 25 | | | | | 230 | 202 | 256 | 230 | 159 | | | |
| 26 | | | | | 230 | 198 | 256 | 222 | 152 | | | |
| 27 | | | | | 226 | 182 | 251 | 226 | 148 | | | |
| 28 | | | | | 230 | 182 | 247 | 226 | 148 | | | |
| 29 | | | | | 230 | 174 | 242 | 222 | 152 | | | |
| 30 | | ------ | | | 230 | 166 | 242 | 222 | 152 | | | |
| 31 | | ------ | | ------ | 234 | ------ | 234 | 218 | ------ | | ------ | |
| TOTAL | | | | | 5,360 | 6,468 | 7,502 | 7,050 | 5,631 | | | |
| MEAN | | | | | 173 | 216 | 242 | 227 | 188 | | | |
| MAX | | | | | 234 | 238 | 269 | 238 | 218 | | | |
| MIN | | | | | 86 | 166 | 170 | 218 | 148 | | | |
| AC-FT | | | | | 10,630 | 12,830 | 14,880 | 13,980 | 11,170 | | | |

41I 03000 Broadwater West Canal Below Headgate near Toston, MT

LOCATION -- Lat 46° 08' 10", long 111° 24' 10", in NE¼ NW¼ NW¼ Sec. 6, T. 4 N., R. 3 E., Broadwater County, on left bank 0.1 mi (0.2 km) downstream from division, which is 1.7 mi (2.7 km) downstream from point of diversion, which is at river mile 2,295.0 (3,692.7 km), 3.2 mi (5.1 km) south of Toston.

DRAINAGE AREA -- Above point of diversion 14,663 sq. mi (37,977 sq. km).

GAGE -- Water stage recorder. Altitude of gage 3,950 ft (1,204 m) from topography map.

AVERAGE DISCHARGE -- 1966 to 1976 - 12,100 AF/season (14.9 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 102 $ft^3/s$ (2.89 $m^3/s$), July 14, 1976. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth. Station operated by U.S. Geological Survey 1941 to 1949.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 41I 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 76 | 48 | 68 | 58 | | | |
| 2 | | | | | 0 | 72 | 48 | 72 | 58 | | | |
| 3 | | | | | 10 | 72 | 48 | 72 | 61 | | | |
| 4 | | | | | 16 | 65 | 41 | 76 | 61 | | | |
| 5 | | | | | 18 | 65 | 41 | 84 | 58 | | | |
| 6 | | | | | 24 | 72 | 38 | 72 | 51 | | | |
| 7 | | | | | 45 | 84 | 38 | 76 | 51 | | | |
| 8 | | | | | 51 | 76 | 34 | 80 | 51 | | | |
| 9 | | | | | 43 | 76 | 34 | 76 | 51 | | | |
| 10 | | | | | 43 | 76 | 41 | 72 | 51 | | | |
| 11 | | | | | 41 | 93 | 38 | 72 | 51 | | | |
| 12 | | | | | 33 | 80 | 41 | 72 | 51 | | | |
| 13 | | | | | 33 | 80 | 45 | 76 | 48 | | | |
| 14 | | | | | 27 | 76 | 41 | 72 | 45 | | | |
| 15 | | | | | 28 | 72 | 34 | 58 | 48 | | | |
| 16 | | | | | 34 | 68 | 30 | 54 | 54 | | | |
| 17 | | | | | 34 | 68 | 31 | 58 | 54 | | | |
| 18 | | | | | 33 | 72 | 36 | 58 | 51 | | | |
| 19 | | | | | 33 | 72 | 41 | 58 | 48 | | | |
| 20 | | | | | 34 | 68 | 45 | 61 | 51 | | | |
| 21 | | | | | 31 | 61 | 54 | 58 | 48 | | | |
| 22 | | | | | 33 | 68 | 51 | 51 | 48 | | | |
| 23 | | | | | 48 | 72 | 23 | 48 | 48 | | | |
| 24 | | | | | 36 | 76 | 0 | 48 | 45 | | | |
| 25 | | | | | 38 | 72 | 0 | 51 | 45 | | | |
| 26 | | | | | 51 | 68 | 0 | 51 | 48 | | | |
| 27 | | | | | 65 | 68 | 48 | 54 | 51 | | | |
| 28 | | | | | 72 | 68 | 54 | 54 | 51 | | | |
| 29 | | ------ | | | 76 | 58 | 58 | 58 | 58 | | | |
| 30 | | ------ | | | 80 | 54 | 65 | 58 | 61 | | | |
| 31 | | ------ | | ------ | 80 | ------ | 68 | 58 | ------ | | ------ | |
| TOTAL | | | | | 1,190 | 2,148 | 1,214 | 1,976 | 1,555 | | | |
| MEAN | | | | | 38.4 | 71.6 | 39.2 | 63.7 | 51.8 | | | |
| MAX | | | | | 80 | 93 | 68 | 84 | 61 | | | |
| MIN | | | | | 0 | 54 | 0 | 48 | 45 | | | |
| AC-FT | | | | | 2,360 | 4,260 | 2,410 | 3,920 | 3,080 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 41I 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 36 | 28 | 45 | 13 | | | |
| 2 | | | | | | 38 | 26 | 58 | 0 | | | |
| 3 | | | | | | 43 | 31 | 58 | 0 | | | |
| 4 | | | | | | 48 | 27 | 54 | 0 | | | |
| 5 | | | | | | 48 | 30 | 54 | 0 | | | |
| 6 | | | | | | 45 | 27 | 54 | 0 | | | |
| 7 | | | | | | 45 | 26 | 51 | 0 | | | |
| 8 | | | | | | 48 | 26 | 48 | 0 | | | |
| 9 | | | | | | 54 | 26 | 51 | 0 | | | |
| 10 | | | | | | 51 | 30 | 54 | 8.5 | | | |
| 11 | | | | | | 30 | 30 | 54 | 18 | | | |
| 12 | | | | | | 30 | 23 | 51 | 18 | | | |
| 13 | | | | | | 31 | 30 | 72 | 18 | | | |
| 14 | | | | | | 36 | 36 | 65 | 19 | | | |
| 15 | | | | | | 45 | 36 | 61 | 19 | | | |
| 16 | | | | | | 43 | 33 | 58 | 19 | | | |
| 17 | | | | | | 38 | 36 | 65 | 20 | | | |
| 18 | | | | | | 38 | 38 | 65 | 22 | | | |
| 19 | | | | | | 38 | 34 | 61 | 23 | | | |
| 20 | | | | | | 45 | 33 | 61 | 23 | | | |
| 21 | | | | | | 43 | 33 | 65 | 24 | | | |
| 22 | | | | | | 45 | 30 | 65 | 27 | | | |
| 23 | | | | | | 51 | 30 | 51 | 24 | | | |
| 24 | | | | | | 48 | 30 | 41 | 21 | | | |
| 25 | | | | | | 45 | 36 | 38 | 23 | | | |
| 26 | | | | | | 36 | 41 | 38 | 24 | | | |
| 27 | | | | | | 31 | 36 | 41 | 26 | | | |
| 28 | | | | | | 30 | 36 | 41 | 26 | | | |
| 29 | | ------ | | | | 30 | 36 | 36 | 26 | | | |
| 30 | | ------ | | | | 30 | 65 | 38 | 22 | | | |
| 31 | | ------ | | ------ | | ------ | 51 | 41 | ------ | | ------ | |
| TOTAL | | | | | | 1,219 | 1,030 | 1,635 | 463.5 | | | |
| MEAN | | | | | | 40.6 | 33.2 | 52.7 | 15.5 | | | |
| MAX | | | | | | 54 | 65 | 72 | 27 | | | |
| MIN | | | | | | 30 | 23 | 36 | 0 | | | |
| AC-FT | | | | | | 2,420 | 2,040 | 3,240 | 919 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 411 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 45 | 58 | 39 | | | |
| 2 | | | | | | 0 | 47 | 58 | 39 | | | |
| 3 | | | | | | 0 | 55 | 58 | 41 | | | |
| 4 | | | | | | 0 | 58 | 58 | 41 | | | |
| 5 | | | | | | 0 | 58 | 60 | 41 | | | |
| 6 | | | | | | 0 | 58 | 60 | 41 | | | |
| 7 | | | | | | 0 | 63 | 60 | 39 | | | |
| 8 | | | | | | 0 | 69 | 60 | 41 | | | |
| 9 | | | | | | 0 | 66 | 58 | 39 | | | |
| 10 | | | | | | 0 | 69 | 63 | 39 | | | |
| 11 | | | | | | 0 | 63 | 66 | 39 | | | |
| 12 | | | | | | 0 | 60 | 60 | 39 | | | |
| 13 | | | | | | 0 | 58 | 63 | 41 | | | |
| 14 | | | | | | 0 | 66 | 63 | 41 | | | |
| 15 | | | | | | 0 | 81 | 63 | 41 | | | |
| 16 | | | | | | 0 | 81 | 58 | 41 | | | |
| 17 | | | | | | 28 | 78 | 66 | 43 | | | |
| 18 | | | | | | 41 | 72 | 63 | 43 | | | |
| 19 | | | | | | 41 | 81 | 53 | 43 | | | |
| 20 | | | | | | 63 | 81 | 47 | 45 | | | |
| 21 | | | | | | 73 | 88 | 55 | 43 | | | |
| 22 | | | | | | 78 | 85 | 53 | 36 | | | |
| 23 | | | | | | 72 | 92 | 51 | 36 | | | |
| 24 | | | | | | 51 | 75 | 49 | 36 | | | |
| 25 | | | | | | 51 | 75 | 45 | 33 | | | |
| 26 | | | | | | 55 | 72 | 45 | 30 | | | |
| 27 | | | | | | 55 | 75 | 43 | 28 | | | |
| 28 | | | | | | 51 | 78 | 43 | 30 | | | |
| 29 | | | | | | 49 | 81 | 43 | 30 | | | |
| 30 | | ------ | | | | 43 | 81 | 41 | 30 | | | |
| 31 | | ------ | | ------ | | ------ | 81 | 41 | ------ | | ------ | |
| TOTAL | | | | | 0 | 751 | 2,192 | 1,704 | 1,148 | | | |
| MEAN | | | | | 0 | 25.0 | 70.7 | 55.0 | 38.3 | | | |
| MAX | | | | | 0 | 78 | 92 | 66 | 45 | | | |
| MIN | | | | | 0 | 0 | 45 | 41 | 28 | | | |
| AC-FT | | | | | 0 | 1,490 | 4,350 | 3,380 | 2,280 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 411 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 35 | 35 | 67 | 43 | | | |
| 2 | | | | | | 35 | 35 | 70 | 37 | | | |
| 3 | | | | | | 35 | 35 | 67 | 37 | | | |
| 4 | | | | | | 67 | 35 | 62 | 37 | | | |
| 5 | | | | | | 72 | 35 | 59 | 39 | | | |
| 6 | | | | | | 81 | 35 | 62 | 41 | | | |
| 7 | | | | | | 78 | 35 | 62 | 41 | | | |
| 8 | | | | | | 70 | 33 | 62 | 39 | | | |
| 9 | | | | | | 67 | 33 | 64 | 45 | | | |
| 10 | | | | | | 78 | 33 | 64 | 45 | | | |
| 11 | | | | | | 78 | 33 | 62 | 43 | | | |
| 12 | | | | | | 57 | 33 | 62 | 41 | | | |
| 13 | | | | | | 62 | 33 | 67 | 43 | | | |
| 14 | | | | | | 64 | 33 | 64 | 52 | | | |
| 15 | | | | | | 54 | 35 | 62 | 57 | | | |
| 16 | | | | | | 52 | 37 | 54 | 54 | | | |
| 17 | | | | | | 54 | 39 | 54 | 54 | | | |
| 18 | | | | | | 62 | 41 | 54 | 52 | | | |
| 19 | | | | | | 64 | 43 | 54 | 54 | | | |
| 20 | | | | | | 64 | 43 | 54 | 57 | | | |
| 21 | | | | | | 67 | 45 | 54 | 59 | | | |
| 22 | | | | | | 70 | 47 | 52 | 57 | | | |
| 23 | | | | | | 59 | 50 | 54 | 50 | | | |
| 24 | | | | | | 59 | 52 | 52 | 33 | | | |
| 25 | | | | | | 64 | 52 | 52 | 33 | | | |
| 26 | | | | | | 37 | 54 | 52 | 35 | | | |
| 27 | | | | | | 37 | 57 | 54 | 37 | | | |
| 28 | | | | | | 37 | 54 | 59 | 39 | | | |
| 29 | | ------ | | | | 37 | 62 | 59 | 35 | | | |
| 30 | | ------ | | | | 37 | 64 | 57 | 35 | | | |
| 31 | | ------ | | ------ | | ------ | 67 | 47 | ------ | | ------ | |
| TOTAL | | | | | | 1,733 | 1,318 | 1,818 | 1,324 | | | |
| MEAN | | | | | | 57.8 | 42.5 | 58.6 | 44.1 | | | |
| MAX | | | | | | 81 | 67 | 70 | 59 | | | |
| MIN | | | | | | 35 | 33 | 47 | 33 | | | |
| AC-FT | | | | | | 3,440 | 2,610 | 3,610 | 2,630 | | | |

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES OIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 41I 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 47 | 54 | 45 | 45 | | | |
| 2 | | | | | | 52 | 67 | 43 | 47 | | | |
| 3 | | | | | | 57 | 72 | 41 | 47 | | | |
| 4 | | | | | | 47 | 52 | 41 | 45 | | | |
| 5 | | | | | | 45 | 47 | 45 | 47 | | | |
| 6 | | | | | | 47 | 75 | 47 | 45 | | | |
| 7 | | | | | | 43 | 45 | 47 | 41 | | | |
| 8 | | | | | | 50 | 41 | 47 | 50 | | | |
| 9 | | | | | | 54 | 41 | 52 | 52 | | | |
| 10 | | | | | | 54 | 45 | 50 | 50 | | | |
| 11 | | | | | | 59 | 50 | 52 | 41 | | | |
| 12 | | | | | | 62 | 50 | 50 | 27 | | | |
| 13 | | | | | | 59 | 52 | 47 | 15 | | | |
| 14 | | | | | | 50 | 52 | 47 | 14 | | | |
| 15 | | | | | | 57 | 50 | 52 | 12 | | | |
| 16 | | | | | | 45 | 45 | 54 | 12 | | | |
| 17 | | | | | | 30 | 52 | 54 | 16 | | | |
| 18 | | | | | | 33 | 57 | 50 | 13 | | | |
| 19 | | | | | | 35 | 67 | 43 | 14 | | | |
| 20 | | | | | | 32 | 67 | 43 | 16 | | | |
| 21 | | | | | | 30 | 70 | 45 | 13 | | | |
| 22 | | | | | | 35 | 72 | 47 | 10 | | | |
| 23 | | | | | | 39 | 64 | 47 | 10 | | | |
| 24 | | | | | | 45 | 52 | 35 | 11 | | | |
| 25 | | | | | | 50 | 52 | 30 | 12 | | | |
| 26 | | | | | | 47 | 52 | 33 | 11 | | | |
| 27 | | | | | | 41 | 50 | 41 | 12 | | | |
| 28 | | | | | | 32 | 47 | 39 | 12 | | | |
| 29 | | ------ | | | | 41 | 50 | 45 | 12 | | | |
| 30 | | ------ | | | | 54 | 50 | 41 | 10 | | | |
| 31 | | ------ | | ------ | | ------ | 47 | 43 | ------ | | ------ | |
| TOTAL | | | | | | 1,372 | 1,687 | 1,396 | 762 | | | |
| MEAN | | | | | | 45.7 | 54.4 | 45.0 | 25.4 | | | |
| MAX | | | | | | 62 | 75 | 54 | 52 | | | |
| MIN | | | | | | 30 | 41 | 30 | 10 | | | |
| AC-FT | | | | | | 2,720 | 3,350 | 2,770 | 1,510 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 41I 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 59 | 32 | 54 | 33 | 12 | | |
| 2 | | | | | 0 | 59 | 21 | 54 | 32 | 13 | | |
| 3 | | | | | 0 | 52 | 14 | 54 | 32 | 14 | | |
| 4 | | | | | 20 | 56 | 14 | 43 | 30 | 8.0 | | |
| 5 | | | | | 35 | 56 | 10 | 41 | 30 | 0 | | |
| 6 | | | | | 35 | 50 | 10 | 35 | 28 | 0 | | |
| 7 | | | | | 35 | 41 | 10 | 37 | 28 | 0 | | |
| 8 | | | | | 37 | 35 | 10 | 37 | 27 | 0 | | |
| 9 | | | | | 43 | 37 | 13 | 33 | 27 | 0 | | |
| 10 | | | | | 47 | 39 | 20 | 32 | 26 | 0 | | |
| 11 | | | | | 45 | 41 | 21 | 32 | 26 | 0 | | |
| 12 | | | | | 45 | 39 | 21 | 32 | 27 | 0 | | |
| 13 | | | | | 47 | 39 | 26 | 33 | 22 | 0 | | |
| 14 | | | | | 67 | 39 | 28 | 33 | 17 | 0 | | |
| 15 | | | | | 84 | 41 | 35 | 33 | 16 | 0 | | |
| 16 | | | | | 70 | 37 | 39 | 33 | 17 | 0 | | |
| 17 | | | | | 54 | 37 | 45 | 33 | 17 | 0 | | |
| 18 | | | | | 50 | 37 | 50 | 35 | 18 | 0 | | |
| 19 | | | | | 43 | 37 | 52 | 33 | 18 | 0 | | |
| 20 | | | | | 41 | 37 | 54 | 30 | 18 | 0 | | |
| 21 | | | | | 39 | 39 | 54 | 30 | 18 | 0 | | |
| 22 | | | | | 39 | 37 | 56 | 30 | 17 | 0 | | |
| 23 | | | | | 33 | 41 | 59 | 32 | 17 | 0 | | |
| 24 | | | | | 37 | 47 | 52 | 32 | 17 | 0 | | |
| 25 | | | | | 41 | 47 | 50 | 30 | 14 | 0 | | |
| 26 | | | | | 39 | 50 | 50 | 30 | 17 | 0 | | |
| 27 | | | | | 43 | 54 | 50 | 30 | 16 | 0 | | |
| 28 | | | | | 41 | 50 | 52 | 32 | 9.0 | 0 | | |
| 29 | | ------ | | | 43 | 41 | 54 | 32 | 9.0 | 0 | | |
| 30 | | ------ | | | 52 | 35 | 54 | 32 | 10 | 0 | | |
| 31 | | ------ | | ------ | 56 | ------ | 54 | 30 | ------ | 0 | ------ | |
| TOTAL | | | | | 1,261 | 1,309 | 1,110 | 1,087 | 633.0 | 47.0 | | |
| MEAN | | | | | 40.7 | 43.6 | 35.8 | 35.1 | 21.1 | 1.52 | | |
| MAX | | | | | 84 | 59 | 59 | 54 | 33 | 14 | | |
| MIN | | | | | 0 | 35 | 10 | 30 | 9.0 | 0 | | |
| AC-FT | | | | | 2,500 | 2,600 | 2,200 | 2,160 | 1,260 | 93 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 411 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 0 | 54 | 29 | 43 | 26 | | | |
| 2 | | | | 0 | 0 | 52 | 27 | 39 | 26 | | | |
| 3 | | | | 0 | 0 | 47 | 27 | 41 | 26 | | | |
| 4 | | | | 0 | 0 | 47 | 30 | 43 | 29 | | | |
| 5 | | | | 0 | 0 | 50 | 39 | 41 | 26 | | | |
| 6 | | | | 0 | 3.1 | 50 | 39 | 50 | 26 | | | |
| 7 | | | | 0 | 4.0 | 50 | 37 | 47 | 32 | | | |
| 8 | | | | 0 | 4.0 | 54 | 41 | 45 | 33 | | | |
| 9 | | | | 0 | 16 | 47 | 41 | 47 | 30 | | | |
| 10 | | | | 0 | 30 | 50 | 43 | 50 | 39 | | | |
| 11 | | | | 0 | 30 | 59 | 47 | 41 | 35 | | | |
| 12 | | | | 0 | 17 | 75 | 62 | 45 | 39 | | | |
| 13 | | | | 0 | 19 | 78 | 54 | 47 | 47 | | | |
| 14 | | | | 0 | 29 | 67 | 59 | 50 | 41 | | | |
| 15 | | | | 0 | 35 | 52 | 47 | 39 | 30 | | | |
| 16 | | | | 0 | 50 | 54 | 45 | 29 | 35 | | | |
| 17 | | | | 0 | 62 | 57 | 35 | 33 | 33 | | | |
| 18 | | | | 0 | 54 | 59 | 26 | 37 | 35 | | | |
| 19 | | | | 0 | 67 | 62 | 27 | 39 | 33 | | | |
| 20 | | | | 0 | 70 | 54 | 29 | 39 | 30 | | | |
| 21 | | | | 0 | 67 | 45 | 29 | 41 | 29 | | | |
| 22 | | | | 0 | 70 | 39 | 29 | 41 | 32 | | | |
| 23 | | | | 0 | 72 | 43 | 29 | 43 | 30 | | | |
| 24 | | | | 0 | 70 | 52 | 29 | 37 | 27 | | | |
| 25 | | | | 0 | 72 | 43 | 32 | 30 | 8.0 | | | |
| 26 | | | | 1.3 | 70 | 20 | 32 | 29 | 29 | | | |
| 27 | | | | 0 | 64 | 20 | 41 | 29 | 30 | | | |
| 28 | | | | 0 | 50 | 17 | 50 | 27 | 30 | | | |
| 29 | | | | 0 | 41 | 20 | 50 | 27 | 29 | | | |
| 30 | | ------ | | 0 | 47 | 23 | 47 | 26 | 29 | | | |
| 31 | | ------ | | ------ | 50 | ------ | 47 | 26 | ------ | | ------ | |
| TOTAL | | | | 1.3 | 1,163.1 | 1,440 | 1,199 | 1,201 | 924.0 | | | |
| MEAN | | | | .043 | 37.5 | 48.0 | 38.7 | 38.7 | 30.8 | | | |
| MAX | | | | 1.3 | 72 | 78 | 62 | 50 | 47 | | | |
| MIN | | | | 0 | 0 | 17 | 26 | 26 | 8.0 | | | |
| AC-FT | | | | 2.6 | 2,310 | 2,860 | 2,380 | 2,380 | 1,830 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 411 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 3.1 | 50 | 33 | 52 | 30 | 24 | | |
| 2 | | | | 0 | 3.1 | 54 | 30 | 59 | 32 | 24 | | |
| 3 | | | | 0 | 12 | 57 | 30 | 57 | 33 | 21 | | |
| 4 | | | | 0 | 15 | 47 | 29 | 59 | 35 | 20 | | |
| 5 | | | | 0 | 15 | 43 | 30 | 66 | 27 | 21 | | |
| 6 | | | | 0 | 24 | 39 | 33 | 66 | 24 | 21 | | |
| 7 | | | | 0 | 30 | 37 | 35 | 54 | 30 | 21 | | |
| 8 | | | | 0 | 37 | 41 | 35 | 52 | 30 | 21 | | |
| 9 | | | | 0 | 33 | 32 | 39 | 52 | 30 | 20 | | |
| 10 | | | | 0 | 29 | 23 | 39 | 54 | 29 | 20 | | |
| 11 | | | | 0 | 30 | 21 | 32 | 54 | 29 | 15 | | |
| 12 | | | | 0 | 29 | 26 | 45 | 57 | 30 | 1.5 | | |
| 13 | | | | 0 | 26 | 30 | 45 | 57 | 30 | 4.7 | | |
| 14 | | | | 0 | 26 | 32 | 45 | 57 | 32 | 19 | | |
| 15 | | | | 0 | 39 | 29 | 45 | 54 | 32 | 10 | | |
| 16 | | | | 0 | 35 | 30 | 43 | 54 | 29 | 0 | | |
| 17 | | | | 0 | 45 | 30 | 45 | 57 | 29 | 0 | | |
| 18 | | | | 0 | 54 | 27 | 45 | 57 | 29 | 0 | | |
| 19 | | | | 0 | 57 | 23 | 47 | 57 | 29 | 0 | | |
| 20 | | | | 0 | 57 | 26 | 50 | 62 | 27 | 0 | | |
| 21 | | | | 0 | 59 | 29 | 54 | 54 | 27 | 0 | | |
| 22 | | | | 0 | 54 | 29 | 57 | 50 | 29 | 0 | | |
| 23 | | | | 1.5 | 54 | 32 | 59 | 47 | 27 | 0 | | |
| 24 | | | | 3.1 | 57 | 32 | 59 | 33 | 27 | 0 | | |
| 25 | | | | 3.1 | 57 | 30 | 62 | 29 | 26 | 0 | | |
| 26 | | | | 3.1 | 62 | 30 | 57 | 32 | 24 | 0 | | |
| 27 | | | | 3.1 | 54 | 32 | 52 | 32 | 21 | 0 | | |
| 28 | | | | 3.1 | 50 | 33 | 41 | 33 | 20 | 0 | | |
| 29 | | ------ | | 3.1 | 47 | 37 | 43 | 35 | 21 | 0 | | |
| 30 | | ------ | | 3.1 | 41 | 41 | 41 | 33 | 24 | 0 | | |
| 31 | | ------ | | ------ | 37 | ------ | 45 | 30 | ------ | 0 | ------ | |
| TOTAL | | | | 23.2 | 1,171.2 | 1,022 | 1,345 | 1,545 | 842 | 263.2 | | |
| MEAN | | | | .77 | 37.8 | 34.1 | 43.4 | 49.8 | 28.1 | 8.49 | | |
| MAX | | | | 3.1 | 62 | 57 | 62 | 66 | 35 | 24 | | |
| MIN | | | | 0 | 3.1 | 21 | 29 | 29 | 20 | 0 | | |
| AC-FT | | | | 46 | 2,320 | 2,030 | 2,670 | 3,060 | 1,670 | 522 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 411 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 48 | 54 | 70 | 26 | 17 | | |
| 2 | | | | | 4.8 | 42 | 48 | 73 | 26 | 17 | | |
| 3 | | | | | 8.5 | 40 | 48 | 70 | 26 | 17 | | |
| 4 | | | | | 25 | 44 | 48 | 70 | 26 | 17 | | |
| 5 | | | | | 44 | 48 | 50 | 65 | 26 | 17 | | |
| 6 | | | | | 42 | 46 | 48 | 63 | 26 | 17 | | |
| 7 | | | | | 52 | 40 | 42 | 65 | 27 | 17 | | |
| 8 | | | | | 54 | 40 | 50 | 54 | 27 | 15 | | |
| 9 | | | | | 54 | 42 | 52 | 60 | 17 | 13 | | |
| 10 | | | | | 54 | 38 | 48 | 56 | 21 | 13 | | |
| 11 | | | | | 52 | 40 | 54 | 54 | 23 | 13 | | |
| 12 | | | | | 52 | 50 | 58 | 54 | 21 | 13 | | |
| 13 | | | | | 60 | 65 | 73 | 56 | 20 | 13 | | |
| 14 | | | | | 58 | 70 | 60 | 44 | 17 | 13 | | |
| 15 | | | | | 52 | 63 | 56 | 33 | 17 | 11 | | |
| 16 | | | | | 44 | 56 | 63 | 35 | 15 | 2.4 | | |
| 17 | | | | | 42 | 54 | 83 | 37 | 15 | 0 | | |
| 18 | | | | | 50 | 48 | 93 | 35 | 15 | 0 | | |
| 19 | | | | | 58 | 40 | 93 | 42 | 15 | 0 | | |
| 20 | | | | | 58 | 50 | 80 | 42 | 15 | 0 | | |
| 21 | | | | | 54 | 52 | 65 | 26 | 15 | 0 | | |
| 22 | | | | | 54 | 48 | 63 | 26 | 15 | 0 | | |
| 23 | | | | | 54 | 42 | 63 | 26 | 15 | 0 | | |
| 24 | | | | | 54 | 46 | 70 | 26 | 15 | 0 | | |
| 25 | | | | | 60 | 42 | 73 | 26 | 15 | 0 | | |
| 26 | | | | | 58 | 44 | 70 | 26 | 15 | 0 | | |
| 27 | | | | | 65 | 42 | 70 | 26 | 17 | 0 | | |
| 28 | | | | | 67 | 40 | 67 | 26 | 20 | 0 | | |
| 29 | | ------ | | | 56 | 38 | 67 | 26 | 21 | 0 | | |
| 30 | | ------ | | | 56 | 44 | 67 | 25 | 17 | 0 | | |
| 31 | | ------ | | ------ | 52 | ------ | 70 | 25 | ------ | 0 | ------ | |
| TOTAL | | | | | 1,494.3 | 1,402 | 1,946 | 1,362 | 586 | 225.4 | | |
| MEAN | | | | | 48.2 | 46.7 | 62.8 | 43.9 | 19.5 | 7.27 | | |
| MAX | | | | | 67 | 70 | 93 | 73 | 27 | 17 | | |
| MIN | | | | | 0 | 38 | 42 | 25 | 15 | 0 | | |
| AC-FT | | | | | 2,960 | 2,780 | 3,860 | 2,700 | 1,160 | 447 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 411 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 32 | 31 | 68 | 42 | 35 | | |
| 2 | | | | | 0 | 38 | 32 | 54 | 37 | 37 | | |
| 3 | | | | | 0 | 44 | 35 | 32 | 34 | 35 | | |
| 4 | | | | | 0 | 54 | 35 | 35 | 32 | 35 | | |
| 5 | | | | | 0 | 54 | 35 | 44 | 31 | 34 | | |
| 6 | | | | | 0 | 52 | 34 | 46 | 32 | 34 | | |
| 7 | | | | | 0 | 56 | 34 | 40 | 32 | 34 | | |
| 8 | | | | | 0 | 58 | 34 | 44 | 31 | 37 | | |
| 9 | | | | | 0 | 60 | 37 | 54 | 32 | 37 | | |
| 10 | | | | | 0 | 54 | 37 | 50 | 31 | 40 | | |
| 11 | | | | | 0 | 50 | 37 | 52 | 29 | 34 | | |
| 12 | | | | | 0 | 42 | 35 | 54 | 29 | 28 | | |
| 13 | | | | | 0 | 42 | 35 | 60 | 29 | 31 | | |
| 14 | | | | | 0 | 50 | 38 | 60 | 29 | 15 | | |
| 15 | | | | | 0 | 54 | 35 | 63 | 31 | 4.8 | | |
| 16 | | | | | 0 | 52 | 35 | 60 | 29 | 2.3 | | |
| 17 | | | | | 0 | 52 | 32 | 56 | 29 | 0 | | |
| 18 | | | | | 0 | 52 | 28 | 60 | 32 | 0 | | |
| 19 | | | | | 0 | 46 | 21 | 63 | 32 | 0 | | |
| 20 | | | | | 0 | 44 | 18 | 60 | 32 | 0 | | |
| 21 | | | | | 0 | 40 | 31 | 54 | 32 | 0 | | |
| 22 | | | | | 0 | 40 | 52 | 56 | 34 | 0 | | |
| 23 | | | | | 0 | 40 | 40 | 54 | 34 | 0 | | |
| 24 | | | | | 0 | 38 | 38 | 52 | 35 | 0 | | |
| 25 | | | | | 0 | 37 | 35 | 44 | 35 | 0 | | |
| 26 | | | | | 0 | 37 | 35 | 50 | 34 | 0 | | |
| 27 | | | | | 11 | 37 | 31 | 50 | 32 | 0 | | |
| 28 | | | | | 8.5 | 35 | 52 | 48 | 34 | 0 | | |
| 29 | | ------ | | | 21 | 32 | 108 | 46 | 34 | 0 | | |
| 30 | | ------ | | | 24 | 34 | 80 | 44 | 35 | 0 | | |
| 31 | | ------ | | ------ | 26 | ------ | 58 | 42 | ------ | 0 | ------ | |
| TOTAL | | | | 0 | 90.5 | 1,356 | 1,218 | 1,595 | 974 | 473.1 | | |
| MEAN | | | | 0 | 2.92 | 45.2 | 39.3 | 51.5 | 32.5 | 15.3 | | |
| MAX | | | | 0 | 26 | 60 | 108 | 68 | 42 | 40 | | |
| MIN | | | | 0 | 0 | 32 | 18 | 32 | 29 | 0 | | |
| AC-FT | | | | 0 | 180 | 2,690 | 2,420 | 3,160 | 1,930 | 938 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

BROADWATER WEST CANAL BELOW HEAD GATE NUMBER 411 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 38 | 17 | 73 | 46 | | | |
| 2 | | | | | 0 | 34 | 28 | 75 | 42 | | | |
| 3 | | | | | 0 | 29 | 46 | 80 | 40 | | | |
| 4 | | | | | 0 | 34 | 38 | 83 | 40 | | | |
| 5 | | | | | 0 | 42 | 37 | 85 | 37 | | | |
| 6 | | | | | 0 | 44 | 35 | 83 | 34 | | | |
| 7 | | | | | 0 | 42 | 37 | 80 | 35 | | | |
| 8 | | | | | 0 | 42 | 40 | 78 | 34 | | | |
| 9 | | | | | 0 | 42 | 60 | 80 | 35 | | | |
| 10 | | | | | 0 | 46 | 80 | 80 | 35 | | | |
| 11 | | | | | 0 | 46 | 83 | 78 | 37 | | | |
| 12 | | | | | 0 | 48 | 96 | 75 | 46 | | | |
| 13 | | | | | 0 | 58 | 80 | 65 | 44 | | | |
| 14 | | | | | 0 | 73 | 102 | 65 | 37 | | | |
| 15 | | | | | 0 | 70 | 96 | 63 | 31 | | | |
| 16 | | | | | 0 | 46 | 90 | 60 | 29 | | | |
| 17 | | | | | 16 | 52 | 85 | 56 | 28 | | | |
| 18 | | | | | 34 | 52 | 85 | 52 | 29 | | | |
| 19 | | | | | 34 | 42 | 90 | 54 | 28 | | | |
| 20 | | | | | 32 | 40 | 88 | 60 | 24 | | | |
| 21 | | | | | 35 | 52 | 80 | 60 | 21 | | | |
| 22 | | | | | 37 | 73 | 80 | 60 | 20 | | | |
| 23 | | | | | 35 | 58 | 80 | 65 | 19 | | | |
| 24 | | | | | 37 | 32 | 85 | 75 | 18 | | | |
| 25 | | | | | 37 | 29 | 83 | 68 | 14 | | | |
| 26 | | | | | 35 | 25 | 85 | 58 | 11 | | | |
| 27 | | | | | 34 | 19 | 83 | 58 | 13 | | | |
| 28 | | | | | 37 | 16 | 78 | 60 | 14 | | | |
| 29 | | | | | 37 | 16 | 75 | 58 | 14 | | | |
| 30 | | ------ | | | 37 | 15 | 75 | 52 | 15 | | | |
| 31 | | ------ | | ------ | 40 | ------ | 70 | 50 | ------ | | ------ | |
| TOTAL | | | | | 517 | 1,255 | 2,187 | 2,089 | 870 | | | |
| MEAN | | | | | 16.7 | 41.8 | 70.5 | 67.4 | 29.0 | | | |
| MAX | | | | | 40 | 73 | 102 | 85 | 46 | | | |
| MIN | | | | | 0 | 15 | 17 | 50 | 11 | | | |
| AC-FT | | | | | 1,030 | 2,490 | 4,340 | 4,140 | 1,730 | | | |

41I 50000 Prickley Pear Creek near Clancy, MT

LOCATION -- Lat 46° 31' 09", long 111° 56' 48", in SE¼ NE¼ SW¼ Sec. 23, T. 9 N., R. 3 W., Jefferson County, on right bank 0.6 mi (1.0 km) downstream from Jackson Creek, 3.5 mi (5.6 km) downstream from Lump Gulch Creek, at river mile 26.5 (42.4 km), 4.2 mi (6.7 km) northeast of Clancy, 6.6 mi (10.6 km) southeast of Helena.

DRAINAGE AREA -- 192 sq. mi (497 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,067.1 ft (1239.7 m) above mean sea level.

AVERAGE DISCHARGE -- 1975 to 1976 - 67400 AF/year (82.4 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 882 $ft^3/s$ (25 $m^3/s$) June 19, 1975. Minimum discharge, 14 $ft^3/s$ (0.40 $m^3/s$) during January 1975.

REMARKS -- Records good except during winter freeze-up. Station operated by U.S. Geological Survey (#06061500) from October 1945 to September 1969.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

PRICKLY PEAR CR NR CLANCY MONT NUMBER 411 50000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 20 | 49 | 147 | 52 | 16 | 33 | 20 | 28 | 22 |
| 2 | | | | 20 | 49 | 147 | 49 | 16 | 33 | 18 | 28 | 18 |
| 3 | | | | 22 | 47 | 163 | 52 | 16 | 28 | 18 | 25 | 16 |
| 4 | | | | 22 | 47 | 174 | 49 | 16 | 25 | 18 | 22 | 18 |
| 5 | | | | 22 | 49 | 174 | 44 | 16 | 25 | 18 | 22 | 16 |
| 6 | | | | 28 | 55 | 169 | 47 | 16 | 22 | 18 | 20 | 18 |
| 7 | | | | 25 | 59 | 147 | 52 | 22 | 22 | 18 | 22 | 18 |
| 8 | | | | 25 | 59 | 152 | 49 | 28 | 20 | 18 | 22 | 30 |
| 9 | | | | 25 | 59 | 136 | 44 | 25 | 20 | 18 | 20 | 44 |
| 10 | | | | 33 | 59 | 136 | 40 | 22 | 20 | 18 | 20 | 18 |
| 11 | | | | 36 | 55 | 141 | 40 | 20 | 25 | 18 | 20 | 18 |
| 12 | | | | 33 | 55 | 152 | 40 | 20 | 25 | 18 | 20 | 18 |
| 13 | | | | 30 | 59 | 163 | 38 | 25 | 25 | 18 | 22 | 16 |
| 14 | | | | 28 | 55 | 169 | 36 | 42 | 22 | 18 | 20 | 16 |
| 15 | | | | 28 | 52 | 169 | 36 | 38 | 22 | 18 | 22 | 16 |
| 16 | | | | 33 | 49 | 169 | 33 | 28 | 20 | 18 | 20 | 16 |
| 17 | | | | 33 | 47 | 163 | 30 | 25 | 20 | 18 | 18 | 16 |
| 18 | | | | 36 | 47 | 147 | 28 | 22 | 18 | 18 | 20 | 16 |
| 19 | | | | 42 | 47 | 141 | 25 | 22 | 18 | 18 | 20 | 16 |
| 20 | | | | 44 | 59 | 130 | 25 | 80 | 18 | 16 | 20 | 16 |
| 21 | | | | 40 | 62 | 130 | 25 | 66 | 18 | 25 | 20 | 16 |
| 22 | | | | 42 | 66 | 110 | 22 | 44 | 18 | 28 | 20 | 16 |
| 23 | | | | 42 | 91 | 110 | 25 | 40 | 18 | 25 | 18 | 16 |
| 24 | | | | 52 | 110 | 91 | 22 | 33 | 18 | 25 | 20 | 16 |
| 25 | | | | 62 | 130 | 80 | 22 | 30 | 18 | 22 | 20 | 16 |
| 26 | | | | 75 | 152 | 75 | 20 | 28 | 18 | 25 | 18 | 16 |
| 27 | | | | 66 | 180 | 70 | 20 | 25 | 18 | 25 | 16 | 16 |
| 28 | | | | 55 | 185 | 62 | 18 | 25 | 20 | 22 | 16 | 16 |
| 29 | | ------ | | 49 | 169 | 59 | 18 | 22 | 20 | 22 | 36 | 16 |
| 30 | | ------ | | 47 | 180 | 55 | 18 | 22 | 20 | 22 | 42 | 16 |
| 31 | | ------ | | ------ | 163 | ------ | 18 | 22 | ------ | 22 | ------ | 16 |
| TOTAL | | | | 1,115 | 2,545 | 3,931 | 1,037 | 872 | 647 | 623 | 657 | 558 |
| MEAN | | | | 37.2 | 82.1 | 131 | 33.5 | 28.1 | 21.6 | 20.1 | 21.9 | 18.0 |
| MAX | | | | 75 | 185 | 174 | 52 | 80 | 33 | 28 | 42 | 44 |
| MIN | | | | 20 | 47 | 55 | 18 | 16 | 18 | 16 | 16 | 16 |
| AC-FT | | | | 2,210 | 5,050 | 7,800 | 2,060 | 1,730 | 1,280 | 1,240 | 1,300 | 1,110 |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

PRICKLY PEAR CR NR CLANCY MONT NUMBER 411 50000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16 | 18 | 18 | 22 | 55 | 350 | 310 | 151 | 74 | 49 | 53 | 49 |
| 2 | 16 | 16 | 22 | 25 | 62 | 407 | 320 | 127 | 78 | 49 | 56 | 53 |
| 3 | 16 | 18 | 30 | 20 | 97 | 480 | 310 | 116 | 74 | 49 | 56 | 53 |
| 4 | 16 | 16 | 30 | 20 | 158 | 453 | 330 | 111 | 74 | 46 | 56 | 53 |
| 5 | 16 | 16 | 22 | 20 | 116 | 418 | 310 | 106 | 74 | 46 | 53 | 53 |
| 6 | 16 | 16 | 20 | 20 | 130 | 453 | 282 | 96 | 70 | 46 | 53 | 53 |
| 7 | 16 | 16 | 20 | 20 | 191 | 442 | 266 | 111 | 70 | 49 | 53 | 53 |
| 8 | 16 | 16 | 25 | 18 | 233 | 480 | 247 | 111 | 70 | 56 | 49 | 53 |
| 9 | 14 | 16 | 20 | 18 | 320 | 430 | 230 | 101 | 67 | 53 | 49 | 56 |
| 10 | 14 | 18 | 20 | 20 | 330 | 340 | 214 | 92 | 67 | 56 | 49 | 53 |
| 11 | 14 | 18 | 20 | 20 | 372 | 310 | 191 | 92 | 63 | 60 | 49 | 49 |
| 12 | 14 | 20 | 25 | 22 | 560 | 320 | 191 | 87 | 53 | 63 | 49 | 46 |
| 13 | 14 | 22 | 20 | 30 | 603 | 350 | 177 | 87 | 49 | 67 | 53 | 41 |
| 14 | 14 | 28 | 20 | 38 | 603 | 340 | 184 | 83 | 53 | 70 | 53 | 41 |
| 15 | 16 | 30 | 20 | 33 | 662 | 372 | 184 | 83 | 53 | 74 | 53 | 41 |
| 16 | 16 | 30 | 22 | 33 | 678 | 330 | 177 | 83 | 49 | 67 | 53 | 41 |
| 17 | 16 | 33 | 20 | 38 | 560 | 384 | 184 | 87 | 49 | 67 | 49 | 44 |
| 18 | 20 | 30 | 20 | 33 | 533 | 533 | 171 | 92 | 46 | 67 | 46 | 44 |
| 19 | 20 | 30 | 33 | 42 | 533 | 882 | 151 | 92 | 60 | 67 | 39 | 44 |
| 20 | 20 | 25 | 28 | 55 | 407 | 678 | 145 | 133 | 74 | 67 | 39 | 46 |
| 21 | 20 | 25 | 25 | 66 | 330 | 546 | 145 | 101 | 67 | 70 | 41 | 46 |
| 22 | 18 | 36 | 20 | 86 | 282 | 493 | 145 | 101 | 63 | 70 | 44 | 46 |
| 23 | 20 | 40 | 20 | 103 | 273 | 467 | 151 | 96 | 60 | 63 | 46 | 46 |
| 24 | 25 | 36 | 20 | 123 | 255 | 467 | 127 | 101 | 56 | 60 | 49 | 46 |
| 25 | 20 | 30 | 20 | 185 | 214 | 467 | 122 | 96 | 56 | 56 | 49 | 46 |
| 26 | 18 | 36 | 18 | 136 | 199 | 418 | 116 | 87 | 56 | 60 | 46 | 46 |
| 27 | 16 | 38 | 22 | 97 | 206 | 372 | 111 | 83 | 53 | 56 | 49 | 44 |
| 28 | 16 | 18 | 40 | 70 | 214 | 320 | 111 | 78 | 53 | 53 | 49 | 44 |
| 29 | 16 | ------ | 18 | 59 | 247 | 301 | 116 | 78 | 53 | 53 | 49 | 44 |
| 30 | 16 | ------ | 22 | 55 | 291 | 301 | 151 | 74 | 53 | 56 | 49 | 44 |
| 31 | 16 | ------ | 22 | ------ | 340 | ------ | 214 | 74 | ------ | 56 | ------ | 44 |
| TOTAL | 521 | 691 | 702 | 1,527 | 10,054 | 12,904 | 6,083 | 3,010 | 1,837 | 1,821 | 1,481 | 1,462 |
| MEAN | 16.8 | 24.7 | 22.6 | 50.9 | 324 | 430 | 196 | 97.1 | 61.2 | 58.7 | 49.4 | 47.2 |
| MAX | 25 | 40 | 40 | 185 | 678 | 882 | 330 | 151 | 78 | 74 | 56 | 56 |
| MIN | 14 | 16 | 18 | 18 | 55 | 301 | 111 | 74 | 46 | 46 | 39 | 41 |
| AC-FT | 1,030 | 1,370 | 1,390 | 3,030 | 19,940 | 25,600 | 12,070 | 5,970 | 3,640 | 3,610 | 2,940 | 2,900 |

CAL YR 1975 TOTAL 42,093 MEAN 115 MAX 882 MIN 14 AC-FT 83,490

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

PRICKLY PEAR CR NR CLANCY MONT NUMBER 411 50000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 44 | 39 | 30 | 56 | 94 | 171 | 128 | 56 | 39 | | | |
| 2 | 41 | 36 | 36 | 46 | 113 | 166 | 123 | 76 | 39 | | | |
| 3 | 41 | 36 | 33 | 46 | 133 | 166 | 118 | 72 | 39 | | | |
| 4 | 41 | 24 | 30 | 53 | 182 | 166 | 113 | 72 | 36 | | | |
| 5 | 44 | 24 | 33 | 60 | 177 | 182 | 108 | 60 | 36 | | | |
| 6 | 44 | 27 | 39 | 68 | 182 | 177 | 103 | 60 | 46 | | | |
| 7 | 44 | 39 | 46 | 85 | 171 | 182 | 103 | 56 | 53 | | | |
| 8 | 41 | 42 | 42 | 85 | 194 | 166 | 94 | 60 | 46 | | | |
| 9 | 41 | 39 | 39 | 89 | 213 | 160 | 89 | 56 | 46 | | | |
| 10 | 44 | 36 | 46 | 85 | 226 | 149 | 89 | 53 | 42 | | | |
| 11 | 44 | 36 | 49 | 80 | 268 | 171 | 85 | 53 | 46 | | | |
| 12 | 44 | 39 | 33 | 80 | 213 | 166 | 103 | 49 | 53 | | | |
| 13 | 44 | 42 | 39 | 85 | 213 | 155 | 98 | 49 | 49 | | | |
| 14 | 44 | 39 | 36 | 85 | 268 | 149 | 80 | 46 | 46 | | | |
| 15 | 44 | 36 | 36 | 80 | 232 | 144 | 80 | 46 | 42 | | | |
| 16 | 46 | 36 | 39 | 76 | 206 | 155 | 76 | 46 | 39 | | | |
| 17 | 46 | 33 | 56 | 76 | 213 | 232 | 72 | 42 | 39 | | | |
| 18 | 44 | 36 | 76 | 72 | 226 | 200 | 76 | 46 | 49 | | | |
| 19 | 44 | 36 | 60 | 76 | 213 | 171 | 85 | 46 | 80 | | | |
| 20 | 44 | 33 | 42 | 76 | 206 | 188 | 89 | 39 | 60 | | | |
| 21 | 44 | 33 | 42 | 76 | 194 | 188 | 80 | 39 | 53 | | | |
| 22 | 44 | 33 | 42 | 72 | 200 | 268 | 68 | 36 | 49 | | | |
| 23 | 42 | 33 | 42 | 72 | 213 | 226 | 64 | 56 | 46 | | | |
| 24 | 39 | 33 | 39 | 72 | 219 | 200 | 64 | 85 | 49 | | | |
| 25 | 39 | 33 | 42 | 72 | 239 | 177 | 60 | 60 | 49 | | | |
| 26 | 39 | 36 | 39 | 76 | 200 | 166 | 56 | 60 | 46 | | | |
| 27 | 46 | 36 | 42 | 72 | 188 | 160 | 56 | 53 | 46 | | | |
| 28 | 42 | 36 | 36 | 72 | 200 | 149 | 53 | 49 | 46 | | | |
| 29 | 39 | 33 | 36 | 76 | 206 | 144 | 53 | 46 | 42 | | | |
| 30 | 39 | ------ | 39 | 85 | 182 | 133 | 53 | 42 | 39 | | | |
| 31 | 36 | ------ | 53 | ------ | 177 | ------ | 56 | 42 | ------ | | ------ | |
| TOTAL | 1,318 | 1,014 | 1,292 | 2,204 | 6,161 | 5,227 | 2,575 | 1,651 | 1,390 | | | |
| MEAN | 42.5 | 35.0 | 41.7 | 73.5 | 199 | 174 | 83.1 | 53.3 | 46.3 | | | |
| MAX | 46 | 42 | 76 | 89 | 268 | 268 | 128 | 85 | 80 | | | |
| MIN | 36 | 24 | 30 | 46 | 94 | 133 | 53 | 36 | 36 | | | |
| AC-FT | 2,610 | 2,010 | 2,560 | 4,370 | 12,220 | 10,370 | 5,110 | 3,270 | 2,760 | | | |

41 J 01000 Eight Mile Creek above North Fork Smith River Reservoir near White Sulphur Springs, MT

LOCATION -- Lat 46° 37' 38", long 110° 42' 21", in NW¼ NW¼ SE¼ Sec. 15, T. 10 N., R. 8 E., Meagher County, on right bank 0.1 mi (0.2 km) upstream from North Fork Smith River Reservoir, which is at river mile 19.1 (30.7 km) upstream from confluence with South Fork Smith River, 11 mi (18 km) northeast of White Sulphur Springs.

DRAINAGE AREA -- 17.2 sq. mi (44.5 sq. km).

GAGE -- Water stage recorder. Altitude of gage 5,490 ft (1,673 m) from topography map.

AVERAGE DISCHARGE -- 1976 - 1,630 AF/year (1.99 cu. hm/year).

EXTREMES -- Period of record - Maximum discharge, 25 $ft^3/s$ (0.71 $m^3/s$), March 18 and 19, 1976. Minimum discharge, 0.15 $ft^3/s$ (0.004 $m^3/s$) September 2-5, 1976.

REMARKS -- Station installed September 1, 1975.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

EIGHT MILE CREEK ABOVE N F SMITH RIVER RESERVOIR NUMBER 41J 01000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 2.2 | 1.7 | 2.8 | 1.7 |
| 2 | | | | | | | | | 2.8 | 1.7 | 2.8 | 2.2 |
| 3 | | | | | | | | | 2.2 | 1.2 | 2.2 | 4.8 |
| 4 | | | | | | | | | 2.2 | 1.2 | 1.7 | 12 |
| 5 | | | | | | | | | 2.2 | 1.2 | 1.7 | 7.9 |
| 6 | | | | | | | | | 1.7 | 1.2 | 1.7 | 3.4 |
| 7 | | | | | | | | | 1.7 | 1.2 | 1.7 | 2.2 |
| 8 | | | | | | | | | 1.7 | 1.2 | 1.2 | 2.2 |
| 9 | | | | | | | | | 1.7 | 1.7 | 1.2 | 7.9 |
| 10 | | | | | | | | | 1.7 | 1.7 | 1.2 | 8.8 |
| 11 | | | | | | | | | 1.7 | 2.2 | 1.2 | 3.4 |
| 12 | | | | | | | | | 1.7 | 1.7 | 1.2 | 2.2 |
| 13 | | | | | | | | | 1.2 | 1.7 | 1.2 | 1.7 |
| 14 | | | | | | | | | 1.2 | 1.7 | 1.7 | 1.7 |
| 15 | | | | | | | | | 1.7 | 2.2 | 1.7 | 1.7 |
| 16 | | | | | | | | | 1.7 | 2.2 | 1.7 | 1.7 |
| 17 | | | | | | | | | 2.8 | 1.7 | 1.7 | 1.7 |
| 18 | | | | | | | | | 2.2 | 1.7 | 1.7 | 1.7 |
| 19 | | | | | | | | | 1.7 | 1.2 | 1.7 | 1.7 |
| 20 | | | | | | | | | 1.7 | 1.2 | 1.7 | 1.2 |
| 21 | | | | | | | | | 1.7 | 1.7 | 1.7 | 1.2 |
| 22 | | | | | | | | | 1.7 | 1.7 | 1.7 | 1.2 |
| 23 | | | | | | | | | 1.7 | 1.7 | 1.2 | 1.2 |
| 24 | | | | | | | | | 1.7 | 2.2 | 1.2 | .78 |
| 25 | | | | | | | | | 1.7 | 1.7 | 1.2 | .78 |
| 26 | | | | | | | | | 1.7 | 2.2 | 1.2 | 1.2 |
| 27 | | | | | | | | | 1.7 | 1.7 | 1.2 | 1.2 |
| 28 | | | | | | | | | 1.7 | 1.7 | 1.2 | 1.2 |
| 29 | | ------ | | | | | | | 1.7 | 1.7 | 1.2 | 1.2 |
| 30 | | ------ | | | | | | | 1.7 | 2.8 | 1.2 | 1.2 |
| 31 | | ------ | | ------ | | ------ | | | ------ | 1.7 | ------ | 1.2 |
| TOTAL | | | | | | | | | 54.7 | 52.3 | 46.7 | 84.16 |
| MEAN | | | | | | | | | 1.82 | 1.69 | 1.56 | 2.71 |
| MAX | | | | | | | | | 2.8 | 2.8 | 2.8 | 12 |
| MIN | | | | | | | | | 1.2 | 1.2 | 1.2 | .78 |
| AC-FT | | | | | | | | | 109 | 104 | 93 | 167 |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

EIGHT MILE CREEK ABOVE N F SMITH RIVER RESERVOIR NUMBER 41J 01000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1.2 | .78 | .78 | 12 | 7.9 | 2.8 | 1.2 | 1.7 | .43 | | | |
| 2 | 1.2 | .78 | .78 | 8.8 | 5.5 | 2.8 | 1.2 | 1.7 | .15 | | | |
| 3 | 1.2 | .78 | .78 | 8.8 | 4.8 | 2.8 | 1.2 | 1.2 | .15 | | | |
| 4 | 1.2 | .78 | .78 | 12 | 4.1 | 2.8 | 1.2 | 1.2 | .15 | | | |
| 5 | 1.2 | .78 | .78 | 18 | 6.3 | 2.8 | 1.2 | 1.2 | .15 | | | |
| 6 | 1.2 | .78 | .78 | 25 | 6.3 | 2.8 | 1.7 | 1.2 | .43 | | | |
| 7 | 1.2 | .78 | .78 | 25 | 6.3 | 2.8 | 3.4 | 1.2 | .43 | | | |
| 8 | 1.2 | .78 | .78 | 17 | 5.5 | 2.2 | 1.7 | 1.2 | .43 | | | |
| 9 | 1.2 | .78 | .78 | 12 | 4.8 | 2.2 | 1.2 | 1.2 | .43 | | | |
| 10 | 1.2 | 1.2 | .78 | 7.1 | 4.8 | 2.2 | 1.2 | 1.2 | .43 | | | |
| 11 | 1.2 | 1.2 | 1.2 | 6.3 | 5.5 | 2.2 | 1.2 | 1.2 | .78 | | | |
| 12 | 1.2 | .78 | .78 | 5.5 | 4.8 | 2.2 | 2.2 | .78 | 1.7 | | | |
| 13 | 1.2 | .78 | .78 | 4.8 | 4.8 | 2.8 | 1.7 | .78 | .78 | | | |
| 14 | 1.2 | .78 | .78 | 4.8 | 4.8 | 2.2 | 1.7 | 1.2 | 1.2 | | | |
| 15 | 1.2 | .78 | .78 | 4.1 | 4.8 | 2.2 | 1.2 | .78 | .78 | | | |
| 16 | 1.2 | .78 | .78 | 4.1 | 4.8 | 2.8 | 1.2 | .78 | .78 | | | |
| 17 | 2.8 | .78 | 5.5 | 3.4 | 4.8 | 2.8 | 1.2 | .78 | 1.2 | | | |
| 18 | 7.1 | .78 | 25 | 2.8 | 4.1 | 2.8 | 1.7 | .78 | 2.2 | | | |
| 19 | 3.4 | .78 | 25 | 2.8 | 4.1 | 1.7 | 2.2 | .78 | 1.7 | | | |
| 20 | 1.7 | .78 | 5.5 | 2.8 | 4.1 | 2.2 | 1.7 | .78 | 1.2 | | | |
| 21 | 1.2 | .78 | 2.8 | 2.8 | 3.4 | 3.4 | 1.2 | .78 | 1.2 | | | |
| 22 | 1.2 | .78 | 4.1 | 2.8 | 3.4 | 7.1 | 1.2 | .78 | 1.2 | | | |
| 23 | 1.2 | .78 | 7.1 | 3.4 | 3.4 | 6.3 | 1.2 | 1.2 | 1.2 | | | |
| 24 | 1.2 | .78 | 4.1 | 2.8 | 4.1 | 4.1 | 1.2 | 1.2 | 1.2 | | | |
| 25 | 1.2 | .78 | 2.8 | 3.4 | 3.4 | 2.8 | 1.2 | .78 | 1.7 | | | |
| 26 | 1.2 | .78 | 2.8 | 3.4 | 3.4 | 2.2 | 1.2 | .78 | 1.2 | | | |
| 27 | 1.7 | .78 | 2.8 | 1.7 | 3.4 | 1.7 | 1.2 | .78 | 1.2 | | | |
| 28 | 1.2 | .78 | 2.8 | 2.2 | 2.8 | 1.7 | .78 | .43 | 1.2 | | | |
| 29 | 1.2 | .78 | 2.2 | 5.5 | 3.4 | 1.7 | .78 | .43 | .78 | | | |
| 30 | .78 | ------ | 2.8 | 7.9 | 2.8 | 1.7 | 1.2 | .43 | .78 | | ------ | |
| 31 | .78 | ------ | 8.8 | ------ | 2.8 | ------ | 1.2 | .43 | ------ | | | |
| TOTAL | 47.06 | 23.46 | 117.00 | 223.0 | 139.2 | 82.8 | 43.56 | 29.66 | 27.16 | | | |
| MEAN | 1.52 | .81 | 3.77 | 7.43 | 4.49 | 2.76 | 1.41 | .96 | .91 | | | |
| MAX | 7.1 | 1.2 | 25 | 25 | 7.9 | 7.1 | 3.4 | 1.7 | 2.2 | | | |
| MIN | .78 | .78 | .78 | 1.7 | 2.8 | 1.7 | .78 | .43 | .15 | | | |
| AC-FT | 93 | 47 | 232 | 442 | 276 | 164 | 86 | 59 | 54 | | | |

41 J 02000 North Fork Smith River below North Fork Smith River Reservoir near White Sulphur Springs, MT

LOCATION -- Lat 46° 36' 52", long 110° 45' 38", in NW¼ NE¼ SE¼ Sec. 19, T. 10 N., R. 8 E., Meagher County, on right bank, 1.1 mi (1.8 km) downstream from North Fork Smith River Reservoir, at river mile 18.0 (29.0 km) upstream from confluence with South Fork Smith River, 8 mi (13 km) northeast of White Sulphur Springs.

DRAINAGE AREA -- 90.2 sq. mi (233.6 sq. km).

GAGE -- Water stage recorder. Altitude of gage 5,330 (1625 m) from topography map.

AVERAGE DISCHARGE -- 1966 to 1976 - 20,800 AF/season (25.4 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 229 $ft^3/s$ (6.49 $m^3/s$), May 21 and 22, 1970. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 104 | 108 | 68 | 57 | | | |
| 2 | | | | | | 104 | 108 | 72 | 53 | | | |
| 3 | | | | | | 100 | 108 | 72 | 39 | | | |
| 4 | | | | | | 100 | 104 | 72 | 33 | | | |
| 5 | | | | | | 96 | 100 | 72 | 30 | | | |
| 6 | | | | | | 92 | 100 | 72 | 33 | | | |
| 7 | | | | | | 92 | 100 | 76 | 30 | | | |
| 8 | | | | | | 88 | 104 | 72 | 33 | | | |
| 9 | | | | | | 96 | 104 | 68 | 30 | | | |
| 10 | | | | | | 108 | 104 | 68 | 27 | | | |
| 11 | | | | | | 104 | 104 | 68 | 27 | | | |
| 12 | | | | | | 104 | 100 | 68 | 27 | | | |
| 13 | | | | | | 100 | 104 | 68 | 24 | | | |
| 14 | | | | | | 84 | 104 | 68 | 24 | | | |
| 15 | | | | | | 84 | 96 | 68 | 24 | | | |
| 16 | | | | | | 88 | 88 | 68 | 21 | | | |
| 17 | | | | | | 88 | 80 | 72 | 21 | | | |
| 18 | | | | | | 88 | 72 | 76 | 21 | | | |
| 19 | | | | | | 96 | 72 | 80 | 21 | | | |
| 20 | | | | | | 108 | 72 | 80 | 21 | | | |
| 21 | | | | | | 108 | 72 | 80 | 21 | | | |
| 22 | | | | | | 108 | 68 | 80 | 21 | | | |
| 23 | | | | | | 108 | 64 | 76 | 30 | | | |
| 24 | | | | | | 108 | 64 | 72 | 33 | | | |
| 25 | | | | | | 104 | 68 | 68 | 33 | | | |
| 26 | | | | | | 100 | 68 | 72 | 30 | | | |
| 27 | | | | | | 96 | 68 | 72 | 27 | | | |
| 28 | | | | | | 100 | 68 | 72 | 27 | | | |
| 29 | | ------ | | | | 104 | 68 | 68 | 27 | | | |
| 30 | | ------ | | | | 108 | 68 | 64 | 24 | | | |
| 31 | | ------ | | ------ | | ------ | 68 | 60 | ------ | | ------ | |
| TOTAL | | | | | | 2,968 | 2,676 | 2,212 | 869 | | | |
| MEAN | | | | | | 98.9 | 86.3 | 71.4 | 29.0 | | | |
| MAX | | | | | | 108 | 108 | 80 | 57 | | | |
| MIN | | | | | | 84 | 64 | 60 | 21 | | | |
| AC-FT | | | | | | 5,890 | 5,310 | 4,390 | 1,720 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 166 | 120 | 84 | 92 | | | |
| 2 | | | | | | 162 | 120 | 84 | 92 | | | |
| 3 | | | | | | 162 | 116 | 84 | 92 | | | |
| 4 | | | | | | 166 | 112 | 84 | 92 | | | |
| 5 | | | | | | 166 | 108 | 76 | 92 | | | |
| 6 | | | | | | 166 | 108 | 76 | 92 | | | |
| 7 | | | | | | 162 | 108 | 76 | 92 | | | |
| 8 | | | | | | 166 | 104 | 72 | 96 | | | |
| 9 | | | | | | 162 | 104 | 68 | 96 | | | |
| 10 | | | | | | 167 | 104 | 68 | 92 | | | |
| 11 | | | | | | 167 | 100 | 72 | 88 | | | |
| 12 | | | | | | 184 | 96 | 76 | 84 | | | |
| 13 | | | | | | 192 | 92 | 76 | 76 | | | |
| 14 | | | | | | 192 | 92 | 76 | 68 | | | |
| 15 | | | | | | 184 | 96 | 84 | 60 | | | |
| 16 | | | | | | 179 | 100 | 84 | 57 | | | |
| 17 | | | | | | 175 | 104 | 88 | 57 | | | |
| 18 | | | | | | 179 | 88 | 92 | 43 | | | |
| 19 | | | | | | 175 | 88 | 88 | 24 | | | |
| 20 | | | | | | 167 | 88 | 84 | 21 | | | |
| 21 | | | | | | 158 | 84 | 84 | 13 | | | |
| 22 | | | | | | 175 | 80 | 84 | 10 | | | |
| 23 | | | | | | 167 | 80 | 80 | 10 | | | |
| 24 | | | | | | 158 | 80 | 80 | 10 | | | |
| 25 | | | | | | 154 | 76 | 84 | 10 | | | |
| 26 | | | | | | 150 | 84 | 92 | 10 | | | |
| 27 | | | | | | 145 | 92 | 100 | 10 | | | |
| 28 | | | | | | 128 | 96 | 100 | 10 | | | |
| 29 | | ------ | | | | 116 | 88 | 96 | 10 | | | |
| 30 | | ------ | | | | 120 | 84 | 96 | 10 | | | |
| 31 | | ------ | | ------ | | ------ | 84 | 92 | ------ | | ------ | |
| TOTAL | | | | | | 4,910 | 2,976 | 2,580 | 1,609 | | | |
| MEAN | | | | | | 164 | 96.0 | 83.2 | 53.6 | | | |
| MAX | | | | | | 192 | 120 | 100 | 96 | | | |
| MIN | | | | | | 116 | 76 | 68 | 10 | | | |
| AC-FT | | | | | | 9,740 | 5,900 | 5,120 | 3,190 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 68 | 120 | 96 | 57 | 53 | | | |
| 2 | | | | | 68 | 120 | 92 | 57 | 53 | | | |
| 3 | | | | | 68 | 124 | 88 | 57 | 53 | | | |
| 4 | | | | | 68 | 124 | 88 | 60 | 57 | | | |
| 5 | | | | | 72 | 128 | 80 | 64 | 64 | | | |
| 6 | | | | | 80 | 133 | 53 | 64 | 64 | | | |
| 7 | | | | | 84 | 133 | 53 | 64 | 64 | | | |
| 8 | | | | | 84 | 137 | 57 | 68 | 64 | | | |
| 9 | | | | | 80 | 137 | 72 | 68 | 64 | | | |
| 10 | | | | | 76 | 141 | 68 | 68 | 64 | | | |
| 11 | | | | | 72 | 137 | 68 | 68 | 64 | | | |
| 12 | | | | | 68 | 137 | 72 | 68 | 57 | | | |
| 13 | | | | | 72 | 133 | 68 | 68 | 53 | | | |
| 14 | | | | | 88 | 133 | 68 | 68 | 50 | | | |
| 15 | | | | | 100 | 128 | 68 | 68 | 50 | | | |
| 16 | | | | | 96 | 124 | 64 | 68 | 50 | | | |
| 17 | | | | | 92 | 120 | 64 | 68 | 50 | | | |
| 18 | | | | | 88 | 112 | 64 | 68 | 50 | | | |
| 19 | | | | | 84 | 112 | 64 | 68 | 50 | | | |
| 20 | | | | | 84 | 116 | 64 | 68 | 36 | | | |
| 21 | | | | | 84 | 112 | 64 | 68 | 24 | | | |
| 22 | | | | | 116 | 108 | 64 | 68 | 27 | | | |
| 23 | | | | | 128 | 112 | 68 | 64 | 27 | | | |
| 24 | | | | | 133 | 104 | 64 | 64 | 27 | | | |
| 25 | | | | | 133 | 92 | 60 | 64 | 27 | | | |
| 26 | | | | | 133 | 92 | 60 | 60 | 24 | | | |
| 27 | | | | | 128 | 92 | 60 | 53 | 24 | | | |
| 28 | | | | | 124 | 88 | 60 | 53 | 27 | | | |
| 29 | | | | | 124 | 80 | 57 | 53 | 24 | | | |
| 30 | | ------ | | | 124 | 92 | 57 | 53 | 24 | | | |
| 31 | | ------ | | ------ | 120 | ------ | 57 | 53 | ------ | | ------ | |
| TOTAL | | | | | 2,939 | 3,521 | 2,082 | 1,960 | 1,365 | | | |
| MEAN | | | | | 94.8 | 117 | 67.2 | 63.2 | 45.5 | | | |
| MAX | | | | | 133 | 141 | 96 | 68 | 64 | | | |
| MIN | | | | | 68 | 80 | 53 | 53 | 24 | | | |
| AC-FT | | | | | 5,830 | 6,980 | 4,130 | 3,890 | 2,710 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 63 | 66 | 24 | 77 | 59 | | | |
| 2 | | | | | 59 | 73 | 24 | 77 | 56 | | | |
| 3 | | | | | 63 | 80 | 24 | 77 | 56 | | | |
| 4 | | | | | 63 | 77 | 24 | 80 | 52 | | | |
| 5 | | | | | 59 | 98 | 24 | 80 | 52 | | | |
| 6 | | | | | 59 | 101 | 24 | 80 | 52 | | | |
| 7 | | | | | 56 | 101 | 24 | 73 | 52 | | | |
| 8 | | | | | 59 | 105 | 18 | 70 | 49 | | | |
| 9 | | | | | 59 | 101 | 31 | 70 | 49 | | | |
| 10 | | | | | 63 | 94 | 38 | 70 | 49 | | | |
| 11 | | | | | 66 | 94 | 45 | 70 | 49 | | | |
| 12 | | | | | 66 | 94 | 56 | 73 | 49 | | | |
| 13 | | | | | 73 | 91 | 63 | 73 | 49 | | | |
| 14 | | | | | 80 | 87 | 70 | 70 | 49 | | | |
| 15 | | | | | 77 | 87 | 66 | 73 | 49 | | | |
| 16 | | | | | 80 | 87 | 66 | 70 | 49 | | | |
| 17 | | | | | 77 | 74 | 66 | 63 | 49 | | | |
| 18 | | | | | 84 | 74 | 66 | 63 | 49 | | | |
| 19 | | | | | 80 | 74 | 70 | 63 | 49 | | | |
| 20 | | | | | 84 | 74 | 73 | 63 | 42 | | | |
| 21 | | | | | 77 | 74 | 73 | 66 | 42 | | | |
| 22 | | | | | 77 | 87 | 73 | 66 | 38 | | | |
| 23 | | | | | 77 | 74 | 73 | 66 | 31 | | | |
| 24 | | | | | 73 | 74 | 70 | 66 | 28 | | | |
| 25 | | | | | 59 | 80 | 70 | 66 | 28 | | | |
| 26 | | | | | 52 | 74 | 70 | 66 | 28 | | | |
| 27 | | | | | 45 | 70 | 73 | 66 | 28 | | | |
| 28 | | | | | 49 | 56 | 73 | 66 | 28 | | | |
| 29 | | ------ | | | 56 | 42 | 73 | 63 | 24 | | | |
| 30 | | ------ | | | 63 | 31 | 73 | 59 | 6.0 | | | |
| 31 | | ------ | | ------ | 66 | ------ | 73 | 59 | ------ | | ------ | |
| TOTAL | | | | | 2,064 | 2,394 | 1,690 | 2,144 | 1,290.0 | | | |
| MEAN | | | | | 66.6 | 79.8 | 54.5 | 69.2 | 43.0 | | | |
| MAX | | | | | 84 | 105 | 73 | 80 | 59 | | | |
| MIN | | | | | 45 | 31 | 18 | 59 | 6.0 | | | |
| AC-FT | | | | | 4,090 | 4,750 | 3,350 | 4,250 | 2,560 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET RER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 23 | 145 | 89 | 79 | 61 | | | |
| 2 | | | | | 23 | 131 | 89 | 79 | 61 | | | |
| 3 | | | | | 23 | 125 | 84 | 79 | 61 | | | |
| 4 | | | | | 23 | 112 | 79 | 74 | 61 | | | |
| 5 | | | | | 23 | 112 | 84 | 74 | 61 | | | |
| 6 | | | | | 23 | 145 | 100 | 70 | 61 | | | |
| 7 | | | | | 23 | 163 | 105 | 61 | 61 | | | |
| 8 | | | | | 23 | 163 | 112 | 61 | 65 | | | |
| 9 | | | | | 23 | 154 | 112 | 61 | 65 | | | |
| 10 | | | | | 23 | 163 | 112 | 61 | 61 | | | |
| 11 | | | | | 23 | 154 | 94 | 53 | 57 | | | |
| 12 | | | | | 23 | 154 | 84 | 49 | 57 | | | |
| 13 | | | | | 23 | 163 | 79 | 49 | 53 | | | |
| 14 | | | | | 20 | 145 | 74 | 49 | 49 | | | |
| 15 | | | | | 20 | 138 | 74 | 53 | 45 | | | |
| 16 | | | | | 65 | 131 | 74 | 53 | 42 | | | |
| 17 | | | | | 131 | 125 | 74 | 57 | 42 | | | |
| 18 | | | | | 174 | 112 | 79 | 57 | 42 | | | |
| 19 | | | | | 184 | 112 | 84 | 57 | 39 | | | |
| 20 | | | | | 198 | 118 | 84 | 57 | 35 | | | |
| 21 | | | | | 229 | 118 | 84 | 57 | 32 | | | |
| 22 | | | | | 229 | 105 | 84 | 57 | 32 | | | |
| 23 | | | | | 212 | 100 | 84 | 57 | 29 | | | |
| 24 | | | | | 184 | 89 | 79 | 57 | 29 | | | |
| 25 | | | | | 174 | 84 | 79 | 57 | 29 | | | |
| 26 | | | | | 163 | 79 | 79 | 57 | 26 | | | |
| 27 | | | | | 154 | 84 | 79 | 57 | 26 | | | |
| 28 | | | | | 163 | 100 | 79 | 57 | 26 | | | |
| 29 | | ------ | | | 163 | 100 | 79 | 57 | 23 | | | |
| 30 | | ------ | | | 163 | 94 | 79 | 57 | 23 | | | |
| 31 | | ------ | | ------ | 163 | ------ | 79 | 57 | ------ | | ------ | |
| TOTAL | | | | | 3,088 | 3,718 | 2,650 | 1,860 | 1,354 | | | |
| MEAN | | | | | 99.6 | 124 | 85.5 | 60.0 | 45.1 | | | |
| MAX | | | | | 229 | 163 | 112 | 79 | 65 | | | |
| MIN | | | | | 20 | 79 | 74 | 49 | 23 | | | |
| AC-FT | | | | | 6,130 | 7,370 | 5,260 | 3,690 | 2,690 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 26 | 15 | 116 | 75 | 71 | 67 | 24 | | |
| 2 | | | | 26 | 15 | 116 | 71 | 75 | 67 | 22 | | |
| 3 | | | | 26 | 15 | 110 | 71 | 71 | 63 | 19 | | |
| 4 | | | | 26 | 15 | 110 | 67 | 75 | 56 | 19 | | |
| 5 | | | | 26 | 11 | 104 | 75 | 75 | 56 | 17 | | |
| 6 | | | | 26 | 11 | 98 | 79 | 75 | 56 | 17 | | |
| 7 | | | | 29 | 11 | 98 | 79 | 75 | 56 | 17 | | |
| 8 | | | | 22 | 13 | 98 | 79 | 75 | 56 | 15 | | |
| 9 | | | | 19 | 13 | 93 | 79 | 75 | 52 | 15 | | |
| 10 | | | | 19 | 11 | 93 | 79 | 75 | 52 | 15 | | |
| 11 | | | | 15 | 11 | 93 | 79 | 75 | 52 | 15 | | |
| 12 | | | | 15 | 11 | 88 | 84 | 75 | 52 | 15 | | |
| 13 | | | | 15 | 9.0 | 88 | 84 | 79 | 52 | 15 | | |
| 14 | | | | 17 | 9.0 | 88 | 84 | 79 | 49 | 15 | | |
| 15 | | | | 17 | 11 | 79 | 79 | 79 | 49 | 15 | | |
| 16 | | | | 13 | 11 | 75 | 79 | 79 | 49 | 15 | | |
| 17 | | | | 13 | 11 | 75 | 79 | 79 | 46 | 15 | | |
| 18 | | | | 13 | 17 | 79 | 79 | 79 | 46 | 15 | | |
| 19 | | | | 13 | 98 | 79 | 79 | 84 | 46 | 15 | | |
| 20 | | | | 15 | 123 | 79 | 75 | 84 | 46 | 15 | | |
| 21 | | | | 15 | 110 | 75 | 75 | 84 | 43 | 15 | | |
| 22 | | | | 17 | 104 | 71 | 71 | 93 | 43 | 15 | | |
| 23 | | | | 15 | 88 | 71 | 71 | 88 | 40 | 15 | | |
| 24 | | | | 17 | 84 | 71 | 71 | 88 | 40 | 15 | | |
| 25 | | | | 17 | 88 | 71 | 71 | 88 | 40 | 15 | | |
| 26 | | | | 15 | 93 | 67 | 71 | 88 | 37 | 15 | | |
| 27 | | | | 15 | 98 | 71 | 75 | 88 | 34 | 15 | | |
| 28 | | | | 15 | 104 | 75 | 75 | 88 | 34 | 15 | | |
| 29 | | ------ | | 15 | 98 | 84 | 75 | 84 | 32 | 15 | | |
| 30 | | ------ | | 15 | 88 | 84 | 75 | 79 | 26 | 15 | | |
| 31 | | ------ | | ------ | 93 | ------ | 75 | 71 | ------ | 15 | ------ | |
| TOTAL | | | | 547 | 1,489.0 | 2,599 | 2,360 | 2,473 | 1,437 | 495 | | |
| MEAN | | | | 18.2 | 48.0 | 86.6 | 76.1 | 79.8 | 47.9 | 16.0 | | |
| MAX | | | | 29 | 123 | 116 | 84 | 93 | 67 | 24 | | |
| MIN | | | | 13 | 9.0 | 67 | 67 | 71 | 26 | 15 | | |
| AC-FT | | | | 1,080 | 2,950 | 5,160 | 4,680 | 4,910 | 2,850 | 982 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 13 | 7.0 | 7.0 | 104 | 75 | 63 | 27 | | |
| 2 | | | | 7.0 | 7.0 | 17 | 104 | 75 | 63 | 27 | | |
| 3 | | | | 7.0 | 7.0 | 38 | 104 | 71 | 63 | 22 | | |
| 4 | | | | 7.0 | 7.0 | 46 | 93 | 67 | 63 | 22 | | |
| 5 | | | | 7.0 | 7.0 | 84 | 88 | 67 | 63 | 22 | | |
| 6 | | | | 9.0 | 7.0 | 117 | 88 | 67 | 67 | 22 | | |
| 7 | | | | 9.0 | 7.0 | 117 | 88 | 67 | 67 | 22 | | |
| 8 | | | | 7.0 | 7.0 | 117 | 88 | 67 | 67 | 22 | | |
| 9 | | | | 7.0 | 7.0 | 110 | 88 | 67 | 67 | 22 | | |
| 10 | | | | 7.0 | 11 | 117 | 88 | 67 | 67 | 22 | | |
| 11 | | | | 7.0 | 11 | 117 | 88 | 75 | 67 | 15 | | |
| 12 | | | | 7.0 | 11 | 104 | 88 | 63 | 63 | 15 | | |
| 13 | | | | 7.0 | 11 | 98 | 88 | 63 | 63 | 15 | | |
| 14 | | | | 7.0 | 11 | 93 | 88 | 63 | 63 | 15 | | |
| 15 | | | | 7.0 | 11 | 93 | 88 | 67 | 63 | 15 | | |
| 16 | | | | 7.0 | 13 | 93 | 88 | 67 | 63 | 15 | | |
| 17 | | | | 9.0 | 13 | 88 | 88 | 67 | 63 | 15 | | |
| 18 | | | | 9.0 | 13 | 93 | 88 | 67 | 56 | 15 | | |
| 19 | | | | 9.0 | 13 | 93 | 88 | 71 | 46 | 15 | | |
| 20 | | | | 9.0 | 13 | 104 | 79 | 71 | 46 | 15 | | |
| 21 | | | | 9.0 | 17 | 110 | 75 | 75 | 46 | 13 | | |
| 22 | | | | 9.0 | 15 | 110 | 75 | 63 | 46 | 13 | | |
| 23 | | | | 9.0 | 15 | 104 | 75 | 63 | 46 | 13 | | |
| 24 | | | | 9.0 | 13 | 104 | 75 | 63 | 46 | 13 | | |
| 25 | | | | 7.0 | 9.0 | 104 | 75 | 63 | 46 | 13 | | |
| 26 | | | | 7.0 | 9.0 | 104 | 75 | 63 | 43 | 13 | | |
| 27 | | | | 9.0 | 11 | 104 | 75 | 63 | 37 | 13 | | |
| 28 | | | | 7.0 | 11 | 104 | 75 | 63 | 34 | 13 | | |
| 29 | | | | 7.0 | 9.0 | 104 | 75 | 63 | 32 | 13 | | |
| 30 | | ------ | | 7.0 | 9.0 | 104 | 75 | 63 | 29 | 13 | | |
| 31 | | ------ | | ------ | 9.0 | ------ | 75 | 63 | ------ | 13 | ------ | |
| TOTAL | | | | 238.0 | 321.0 | 2,794.0 | 2,629 | 2,069 | 1,648 | 523 | | |
| MEAN | | | | 7.93 | 10.4 | 93.1 | 84.8 | 66.7 | 54.9 | 16.9 | | |
| MAX | | | | 13 | 17 | 117 | 104 | 75 | 67 | 27 | | |
| MIN | | | | 7.0 | 7.0 | 7.0 | 75 | 63 | 29 | 13 | | |
| AC-FT | | | | 472 | 637 | 5,540 | 5,210 | 4,100 | 3,270 | 1,040 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 67 | 71 | 37 | 22 | | | |
| 2 | | | | | 0 | 75 | 71 | 37 | 22 | | | |
| 3 | | | | | 0 | 75 | 71 | 37 | 19 | | | |
| 4 | | | | | 0 | 84 | 67 | 34 | 19 | | | |
| 5 | | | | | 0 | 88 | 53 | 32 | 15 | | | |
| 6 | | | | | 0 | 93 | 53 | 32 | 11 | | | |
| 7 | | | | | 0 | 88 | 53 | 32 | 11 | | | |
| 8 | | | | | 0 | 88 | 53 | 32 | 13 | | | |
| 9 | | | | | 0 | 88 | 49 | 32 | 13 | | | |
| 10 | | | | | 0 | 84 | 46 | 32 | 15 | | | |
| 11 | | | | | 0 | 93 | 46 | 32 | 15 | | | |
| 12 | | | | | 0 | 98 | 46 | 32 | 15 | | | |
| 13 | | | | | 0 | 98 | 46 | 32 | 15 | | | |
| 14 | | | | | 0 | 104 | 46 | 32 | 13 | | | |
| 15 | | | | | 0 | 98 | 46 | 32 | 15 | | | |
| 16 | | | | | 11 | 84 | 46 | 32 | 15 | | | |
| 17 | | | | | 22 | 75 | 43 | 32 | 15 | | | |
| 18 | | | | | 27 | 75 | 40 | 32 | 15 | | | |
| 19 | | | | | 29 | 71 | 43 | 32 | 15 | | | |
| 20 | | | | | 34 | 71 | 43 | 32 | 13 | | | |
| 21 | | | | | 40 | 71 | 43 | 29 | 19 | | | |
| 22 | | | | | 43 | 71 | 40 | 29 | 13 | | | |
| 23 | | | | | 49 | 71 | 40 | 29 | 9.0 | | | |
| 24 | | | | | 63 | 71 | 40 | 29 | 9.0 | | | |
| 25 | | | | | 63 | 71 | 40 | 27 | 0 | | | |
| 26 | | | | | 63 | 71 | 40 | 27 | 0 | | | |
| 27 | | | | | 63 | 71 | 37 | 27 | 0 | | | |
| 28 | | | | | 67 | 71 | 37 | 27 | 0 | | | |
| 29 | | ------ | | | 67 | 71 | 37 | 24 | 0 | | | |
| 30 | | ------ | | | 67 | 71 | 37 | 24 | 0 | | | |
| 31 | | ------ | | ------ | 67 | ------ | 37 | 24 | ------ | | ------ | |
| TOTAL | | | | 0 | 775 | 2,407 | 1,460 | 953 | 356.0 | | | |
| MEAN | | | | 0 | 25.0 | 80.2 | 47.1 | 30.7 | 11.9 | | | |
| MAX | | | | 0 | 67 | 104 | 71 | 37 | 22 | | | |
| MIN | | | | 0 | 0 | 67 | 37 | 24 | 0 | | | |
| AC-FT | | | | 0 | 1,540 | 4,770 | 2,900 | 1,890 | 706 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 34 | 71 | 75 | 19 | 21 | | |
| 2 | | | | | 0 | 98 | 93 | 75 | 19 | 19 | | |
| 3 | | | | | 0 | 131 | 93 | 67 | 19 | 19 | | |
| 4 | | | | | 0 | 149 | 93 | 67 | 19 | 19 | | |
| 5 | | | | | 0 | 149 | 88 | 71 | 19 | 19 | | |
| 6 | | | | | 0 | 149 | 93 | 71 | 19 | 19 | | |
| 7 | | | | | 0 | 149 | 93 | 71 | 19 | 19 | | |
| 8 | | | | | 0 | 139 | 93 | 67 | 19 | 19 | | |
| 9 | | | | | 0 | 123 | 83 | 63 | 19 | 19 | | |
| 10 | | | | | 0 | 117 | 83 | 67 | 19 | 15 | | |
| 11 | | | | | 0 | 110 | 79 | 63 | 19 | 13 | | |
| 12 | | | | | 0 | 110 | 71 | 63 | 19 | 11 | | |
| 13 | | | | | 0 | 110 | 67 | 63 | 19 | 11 | | |
| 14 | | | | | 21 | 110 | 71 | 63 | 19 | 11 | | |
| 15 | | | | | 24 | 123 | 67 | 59 | 19 | 9.0 | | |
| 16 | | | | | 19 | 110 | 71 | 49 | 19 | 1.0 | | |
| 17 | | | | | 19 | 117 | 71 | 49 | 19 | 1.0 | | |
| 18 | | | | | 21 | 117 | 75 | 43 | 19 | 1.0 | | |
| 19 | | | | | 21 | 117 | 75 | 34 | 19 | 1.0 | | |
| 20 | | | | | 21 | 117 | 75 | 34 | 19 | 1.0 | | |
| 21 | | | | | 21 | 117 | 75 | 27 | 19 | 1.0 | | |
| 22 | | | | | 29 | 117 | 79 | 24 | 19 | 5.0 | | |
| 23 | | | | | 27 | 117 | 79 | 21 | 19 | 9.0 | | |
| 24 | | | | | 27 | 110 | 79 | 21 | 19 | 7.0 | | |
| 25 | | | | | 27 | 104 | 79 | 21 | 19 | 7.0 | | |
| 26 | | | | | 24 | 88 | 75 | 19 | 19 | 7.0 | | |
| 27 | | | | | 24 | 83 | 75 | 19 | 21 | 3.0 | | |
| 28 | | | | | 27 | 83 | 75 | 19 | 21 | 3.0 | | |
| 29 | | ------ | | | 27 | 83 | 75 | 19 | 21 | 3.0 | | |
| 30 | | ------ | | | 34 | 75 | 75 | 19 | 21 | 3.0 | | |
| 31 | | ------ | | ------ | 29 | ------ | 75 | 19 | ------ | 0 | ------ | |
| TOTAL | | | | | 442 | 3,356 | 2,446 | 1,442 | 578 | 296.0 | | |
| MEAN | | | | | 14.3 | 112 | 78.9 | 46.5 | 19.3 | 9.55 | | |
| MAX | | | | | 34 | 149 | 93 | 75 | 21 | 21 | | |
| MIN | | | | | 0 | 34 | 67 | 19 | 19 | 0 | | |
| AC-FT | | | | | 877 | 6,660 | 4,850 | 2,860 | 1,150 | 587 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 88 | 93 | 131 | 67 | 49 | 29 | | |
| 2 | | | | | 93 | 93 | 123 | 67 | 43 | 29 | | |
| 3 | | | | | 117 | 98 | 110 | 67 | 43 | 27 | | |
| 4 | | | | | 117 | 104 | 123 | 63 | 43 | 27 | | |
| 5 | | | | | 93 | 104 | 117 | 63 | 46 | 27 | | |
| 6 | | | | | 93 | 110 | 104 | 63 | 49 | 24 | | |
| 7 | | | | | 93 | 117 | 117 | 63 | 49 | 24 | | |
| 8 | | | | | 98 | 189 | 123 | 67 | 49 | 24 | | |
| 9 | | | | | 104 | 230 | 110 | 67 | 49 | 24 | | |
| 10 | | | | | 104 | 174 | 117 | 67 | 46 | 24 | | |
| 11 | | | | | 110 | 150 | 117 | 67 | 46 | 24 | | |
| 12 | | | | | 123 | 131 | 110 | 67 | 46 | 24 | | |
| 13 | | | | | 110 | 117 | 104 | 67 | 46 | 24 | | |
| 14 | | | | | 110 | 131 | 104 | 67 | 46 | 24 | | |
| 15 | | | | | 110 | 131 | 88 | 67 | 43 | 24 | | |
| 16 | | | | | 110 | 131 | 71 | 67 | 43 | 24 | | |
| 17 | | | | | 150 | 131 | 84 | 67 | 46 | 24 | | |
| 18 | | | | | 174 | 150 | 98 | 67 | 46 | 24 | | |
| 19 | | | | | 174 | 211 | 93 | 67 | 46 | 24 | | |
| 20 | | | | | 160 | 160 | 84 | 67 | 46 | 22 | | |
| 21 | | | | | 139 | 187 | 84 | 67 | 46 | 22 | | |
| 22 | | | | | 131 | 174 | 75 | 67 | 46 | 22 | | |
| 23 | | | | | 131 | 160 | 75 | 67 | 46 | 22 | | |
| 24 | | | | | 123 | 174 | 71 | 67 | 46 | 22 | | |
| 25 | | | | | 98 | 160 | 67 | 67 | 46 | 22 | | |
| 26 | | | | | 84 | 187 | 63 | 63 | 43 | 22 | | |
| 27 | | | | | 88 | 174 | 67 | 63 | 43 | 22 | | |
| 28 | | | | | 93 | 174 | 67 | 67 | 40 | 22 | | |
| 29 | | ------ | | | 93 | 160 | 67 | 67 | 32 | 22 | | |
| 30 | | ------ | | | 88 | 139 | 67 | 63 | 32 | 22 | | |
| 31 | | ------ | | ------ | 84 | ------ | 67 | 49 | ------ | 22 | ------ | |
| TOTAL | | | | | 3,483 | 4,444 | 2,898 | 2,031 | 1,340 | 739 | | |
| MEAN | | | | | 112 | 148 | 93.5 | 65.5 | 44.7 | 23.8 | | |
| MAX | | | | | 174 | 230 | 131 | 67 | 49 | 29 | | |
| MIN | | | | | 84 | 93 | 63 | 49 | 32 | 22 | | |
| AC-FT | | | | | 6,910 | 8,810 | 5,750 | 4,030 | 2,660 | 1,470 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NORTH FORK SMITH RIVER BELOW RESERVOIR NUMBER 41J 02000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 88 | 71 | 34 | 56 | | | |
| 2 | | | | | 0 | 84 | 71 | 32 | 56 | | | |
| 3 | | | | | 0 | 79 | 71 | 32 | 56 | | | |
| 4 | | | | | 0 | 75 | 71 | 34 | 56 | | | |
| 5 | | | | | 0 | 75 | 71 | 34 | 56 | | | |
| 6 | | | | | 0 | 75 | 71 | 37 | 56 | | | |
| 7 | | | | | 0 | 71 | 79 | 37 | 56 | | | |
| 8 | | | | | 0 | 71 | 84 | 37 | 56 | | | |
| 9 | | | | | 0 | 67 | 84 | 37 | 53 | | | |
| 10 | | | | | 71 | 67 | 84 | 37 | 40 | | | |
| 11 | | | | | 84 | 63 | 84 | 37 | 34 | | | |
| 12 | | | | | 88 | 63 | 88 | 37 | 34 | | | |
| 13 | | | | | 93 | 63 | 88 | 37 | 34 | | | |
| 14 | | | | | 93 | 67 | 84 | 37 | 34 | | | |
| 15 | | | | | 98 | 84 | 84 | 37 | 34 | | | |
| 16 | | | | | 104 | 84 | 88 | 37 | 34 | | | |
| 17 | | | | | 104 | 84 | 84 | 37 | 34 | | | |
| 18 | | | | | 104 | 84 | 84 | 37 | 37 | | | |
| 19 | | | | | 104 | 79 | 84 | 37 | 37 | | | |
| 20 | | | | | 104 | 79 | 84 | 37 | 34 | | | |
| 21 | | | | | 104 | 88 | 46 | 40 | 32 | | | |
| 22 | | | | | 104 | 98 | 19 | 46 | 32 | | | |
| 23 | | | | | 104 | 88 | 29 | 46 | 32 | | | |
| 24 | | | | | 110 | 88 | 37 | 53 | 32 | | | |
| 25 | | | | | 110 | 84 | 34 | 56 | 32 | | | |
| 26 | | | | | 104 | 71 | 34 | 56 | 34 | | | |
| 27 | | | | | 104 | 63 | 34 | 56 | 34 | | | |
| 28 | | | | | 104 | 63 | 34 | 56 | 32 | | | |
| 29 | | | | | 104 | 60 | 32 | 56 | 22 | | | |
| 30 | | ------ | | | 93 | 71 | 32 | 56 | 15 | | | |
| 31 | | ------ | | ------ | 84 | ------ | 32 | 56 | ------ | | ------ | |
| TOTAL | | | | 0 | 2,172 | 2,276 | 1,972 | 1,298 | 1,184 | | | |
| MEAN | | | | 0 | 70.1 | 75.9 | 63.6 | 41.9 | 39.5 | | | |
| MAX | | | | 0 | 110 | 98 | 88 | 56 | 56 | | | |
| MIN | | | | 0 | 0 | 60 | 19 | 32 | 15 | | | |
| AC-FT | | | | 0 | 4,310 | 4,510 | 3,910 | 2,570 | 2,350 | | | |

41 J 03000 South Side Canal Below Headgate near White Sulphur Springs, MT

LOCATION -- Lat 46° 36' 04", long 110° 48' 46", in SW¼ SE¼ NW¼ Sec. 26, T. 10 N., R. 7 E., on left bank, 200 ft (61 m) downstream from headgate, which is at North Fork Smith River mile 13.8 (22.2 km) upstream from confluence with South Fork Smith River, 5 mi (8 km) northeast of White Sulphur Springs.

DRAINAGE AREA -- Above canal headgate - 129.4 sq. mi (335.1 sq. km).

GAGE -- Water stage recorder. Altitude of gage 5,220 ft (1,591 m) from topography map.

AVERAGE DISCHARGE -- 1965 to 1976 - 7,150 AF/season (8.82 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 109 $ft^3/s$ (3.09 $m^3/s$), June 14, 1967. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1965

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 27 | 38 | 26 | 18 | | | |
| 2 | | | | | | 27 | 33 | 26 | 18 | | | |
| 3 | | | | | | 28 | 33 | 27 | 17 | | | |
| 4 | | | | | | 31 | 33 | 29 | 0 | | | |
| 5 | | | | | | 29 | 33 | 29 | 0 | | | |
| 6 | | | | | | 33 | 33 | 29 | 0 | | | |
| 7 | | | | | | 44 | 32 | 31 | 0 | | | |
| 8 | | | | | | 51 | 32 | 31 | 0 | | | |
| 9 | | | | | | 51 | 32 | 31 | 0 | | | |
| 10 | | | | | | 51 | 32 | 31 | 0 | | | |
| 11 | | | | | | 47 | 28 | 32 | 0 | | | |
| 12 | | | | | | 49 | 26 | 35 | 0 | | | |
| 13 | | | | | | 40 | 25 | 37 | 0 | | | |
| 14 | | | | | | 40 | 25 | 33 | 0 | | | |
| 15 | | | | | | 40 | 25 | 33 | 0 | | | |
| 16 | | | | | | 42 | 25 | 33 | 0 | | | |
| 17 | | | | | | 73 | 25 | 42 | 0 | | | |
| 18 | | | | | | 64 | 25 | 38 | 0 | | | |
| 19 | | | | | | 51 | 25 | 33 | 0 | | | |
| 20 | | | | | | 40 | 25 | 35 | 0 | | | |
| 21 | | | | | | 40 | 25 | 33 | 0 | | | |
| 22 | | | | | | 38 | 25 | 32 | 0 | | | |
| 23 | | | | | | 38 | 25 | 26 | 0 | | | |
| 24 | | | | | | 38 | 25 | 19 | 0 | | | |
| 25 | | | | | | 49 | 28 | 19 | 0 | | | |
| 26 | | | | | | 59 | 28 | 18 | 0 | | | |
| 27 | | | | | | 51 | 28 | 18 | 0 | | | |
| 28 | | | | | | 49 | 28 | 18 | 0 | | | |
| 29 | | ------ | | | | 54 | 28 | 18 | 0 | | | |
| 30 | | ------ | | | | 54 | 27 | 18 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 26 | 18 | ------ | | ------ | |
| TOTAL | | | | | | 1,328 | 878 | 878 | 53 | | | |
| MEAN | | | | | | 44.3 | 28.3 | 28.3 | 1.77 | | | |
| MAX | | | | | | 73 | 38 | 42 | 18 | | | |
| MIN | | | | | | 27 | 25 | 18 | 0 | | | |
| AC-FT | | | | | | 2,630 | 1,740 | 1,740 | 105 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1966

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 56 | 42 | 16 | 16 | | | |
| 2 | | | | | | 56 | 38 | 18 | 16 | | | |
| 3 | | | | | | 50 | 35 | 16 | 13 | | | |
| 4 | | | | | | 46 | 32 | 16 | 15 | | | |
| 5 | | | | | | 46 | 32 | 18 | 13 | | | |
| 6 | | | | | | 42 | 29 | 16 | 11 | | | |
| 7 | | | | | | 50 | 32 | 16 | 11 | | | |
| 8 | | | | | | 46 | 32 | 18 | 11 | | | |
| 9 | | | | | | 56 | 27 | 6.6 | 11 | | | |
| 10 | | | | | | 42 | 25 | 0 | 2.9 | | | |
| 11 | | | | | | 42 | 25 | 0 | 0 | | | |
| 12 | | | | | | 38 | 27 | 0 | 0 | | | |
| 13 | | | | | | 38 | 32 | 0 | 0 | | | |
| 14 | | | | | | 35 | 35 | 0 | 0 | | | |
| 15 | | | | | | 35 | 29 | 0 | 0 | | | |
| 16 | | | | | | 35 | 25 | 0 | 0 | | | |
| 17 | | | | | | 35 | 23 | 0 | 0 | | | |
| 18 | | | | | | 35 | 19 | 0 | 0 | | | |
| 19 | | | | | | 35 | 19 | 0 | 0 | | | |
| 20 | | | | | | 35 | 19 | 0 | 0 | | | |
| 21 | | | | | | 35 | 19 | 0 | 0 | | | |
| 22 | | | | | | 38 | 19 | 0 | 0 | | | |
| 23 | | | | | | 38 | 19 | 0 | 0 | | | |
| 24 | | | | | | 38 | 18 | 0 | 0 | | | |
| 25 | | | | | | 38 | 15 | 4.7 | 0 | | | |
| 26 | | | | | | 32 | 16 | 16 | 0 | | | |
| 27 | | | | | | 32 | 16 | 13 | 0 | | | |
| 28 | | | | | | 32 | 18 | 13 | 0 | | | |
| 29 | | ------ | | | | 35 | 16 | 13 | 0 | | | |
| 30 | | ------ | | | | 42 | 16 | 13 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 15 | 15 | ------ | | ------ | |
| TOTAL | | | | | | 1,213 | 764 | 228.3 | 119.9 | | | |
| MEAN | | | | | | 40.4 | 24.6 | 7.36 | 4.00 | | | |
| MAX | | | | | | 56 | 42 | 18 | 16 | | | |
| MIN | | | | | | 32 | 15 | 0 | 0 | | | |
| AC-FT | | | | | | 2,410 | 1,520 | 453 | 238 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1967

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 72 | 46 | 31 | 17 | | | |
| 2 | | | | | | 75 | 46 | 40 | 23 | | | |
| 3 | | | | | | 80 | 46 | 40 | 27 | | | |
| 4 | | | | | | 80 | 46 | 40 | 27 | | | |
| 5 | | | | | | 72 | 44 | 40 | 27 | | | |
| 6 | | | | | | 72 | 44 | 40 | 27 | | | |
| 7 | | | | | | 72 | 40 | 40 | 27 | | | |
| 8 | | | | | | 86 | 35 | 35 | 25 | | | |
| 9 | | | | | | 75 | 31 | 35 | 18 | | | |
| 10 | | | | | | 78 | 31 | 29 | 18 | | | |
| 11 | | | | | | 75 | 31 | 25 | 25 | | | |
| 12 | | | | | | 100 | 31 | 27 | 31 | | | |
| 13 | | | | | | 100 | 31 | 27 | 31 | | | |
| 14 | | | | | | 109 | 31 | 27 | 31 | | | |
| 15 | | | | | | 83 | 29 | 27 | 29 | | | |
| 16 | | | | | | 67 | 29 | 27 | 11 | | | |
| 17 | | | | | | 51 | 29 | 25 | 5.0 | | | |
| 18 | | | | | | 51 | 20 | 27 | 5.5 | | | |
| 19 | | | | | | 40 | 21 | 20 | 5.0 | | | |
| 20 | | | | | | 41 | 29 | 15 | 5.0 | | | |
| 21 | | | | | | 41 | 25 | 15 | 4.0 | | | |
| 22 | | | | | | 59 | 23 | 15 | 3.5 | | | |
| 23 | | | | | | 51 | 25 | 17 | 4.0 | | | |
| 24 | | | | | | 46 | 25 | 18 | 5.0 | | | |
| 25 | | | | | | 41 | 25 | 17 | 5.0 | | | |
| 26 | | | | | | 41 | 25 | 15 | 7.0 | | | |
| 27 | | | | | | 54 | 29 | 27 | 8.0 | | | |
| 28 | | | | | | 49 | 31 | 27 | 8.0 | | | |
| 29 | | ------ | | | | 46 | 31 | 23 | 8.0 | | | |
| 30 | | ------ | | | | 46 | 31 | 20 | 7.0 | | | |
| 31 | | ------ | | ------ | | ------ | 31 | 17 | ------ | | ------ | |
| TOTAL | | | | | | 1,953 | 991 | 828 | 474.0 | | | |
| MEAN | | | | | | 65.1 | 32.0 | 26.7 | 15.8 | | | |
| MAX | | | | | | 109 | 46 | 40 | 31 | | | |
| MIN | | | | | | 40 | 20 | 15 | 3.5 | | | |
| AC-FT | | | | | | 3,870 | 1,970 | 1,640 | 940 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 64 | 61 | 17 | 21 | | | |
| 2 | | | | | 0 | 54 | 61 | 17 | 21 | | | |
| 3 | | | | | 0 | 67 | 56 | 17 | 21 | | | |
| 4 | | | | | 0 | 67 | 54 | 17 | 20 | | | |
| 5 | | | | | 0 | 70 | 51 | 21 | 21 | | | |
| 6 | | | | | 0 | 67 | 51 | 27 | 20 | | | |
| 7 | | | | | 0 | 70 | 59 | 27 | 18 | | | |
| 8 | | | | | 0 | 70 | 56 | 27 | 18 | | | |
| 9 | | | | | 0 | 70 | 56 | 27 | 18 | | | |
| 10 | | | | | 0 | 72 | 49 | 27 | 18 | | | |
| 11 | | | | | 0 | 72 | 44 | 27 | 10 | | | |
| 12 | | | | | 0 | 72 | 37 | 25 | 8.0 | | | |
| 13 | | | | | 12 | 67 | 33 | 21 | 7.0 | | | |
| 14 | | | | | 17 | 64 | 25 | 21 | 7.0 | | | |
| 15 | | | | | 15 | 56 | 31 | 25 | 7.0 | | | |
| 16 | | | | | 14 | 51 | 40 | 27 | 7.0 | | | |
| 17 | | | | | 14 | 51 | 44 | 27 | 7.0 | | | |
| 18 | | | | | 14 | 51 | 44 | 27 | 7.0 | | | |
| 19 | | | | | 14 | 54 | 40 | 27 | 7.0 | | | |
| 20 | | | | | 14 | 54 | 40 | 27 | 7.0 | | | |
| 21 | | | | | 14 | 54 | 31 | 27 | 6.3 | | | |
| 22 | | | | | 15 | 59 | 27 | 25 | 6.3 | | | |
| 23 | | | | | 29 | 59 | 27 | 23 | 6.3 | | | |
| 24 | | | | | 42 | 64 | 27 | 23 | 6.3 | | | |
| 25 | | | | | 40 | 59 | 27 | 23 | 6.3 | | | |
| 26 | | | | | 40 | 56 | 20 | 23 | 6.3 | | | |
| 27 | | | | | 49 | 49 | 17 | 23 | 6.3 | | | |
| 28 | | | | | 59 | 51 | 17 | 23 | 6.3 | | | |
| 29 | | | | | 64 | 56 | 17 | 23 | 6.3 | | | |
| 30 | | ------ | | | 64 | 61 | 17 | 21 | 6.3 | | | |
| 31 | | ------ | | ------ | 64 | ------ | 17 | 21 | ------ | | ------ | |
| TOTAL | | | | | 594 | 1,831 | 1,176 | 733 | 333.0 | | | |
| MEAN | | | | | 19.2 | 61.0 | 37.9 | 23.6 | 11.1 | | | |
| MAX | | | | | 64 | 72 | 61 | 27 | 21 | | | |
| MIN | | | | | 0 | 49 | 17 | 17 | 6.3 | | | |
| AC-FT | | | | | 1,180 | 3,630 | 2,330 | 1,450 | 661 | | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

SOUTH SIOE CANAL 8ELOW HEAD GATE NUM8ER 41J 03000

OISCHARGE, IN CU8IC FEET PER SECONO, CALENDAR YEAR 1969

| DAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 62 | 23 | 31 | 11 | | | |
| 2 | | | | | | 70 | 27 | 31 | 8.0 | | | |
| 3 | | | | | | 72 | 27 | 31 | 8.0 | | | |
| 4 | | | | | | 70 | 20 | 31 | 8.0 | | | |
| 5 | | | | | | 67 | 23 | 31 | 8.0 | | | |
| 6 | | | | | | 70 | 25 | 29 | 8.0 | | | |
| 7 | | | | | | 56 | 29 | 25 | 9.0 | | | |
| 8 | | | | | | 54 | 27 | 25 | 8.0 | | | |
| 9 | | | | | | 59 | 20 | 27 | 7.0 | | | |
| 10 | | | | | | 56 | 20 | 25 | 8.0 | | | |
| 11 | | | | | | 40 | 21 | 25 | 8.0 | | | |
| 12 | | | | | | 37 | 27 | 27 | 8.0 | | | |
| 13 | | | | | | 37 | 33 | 27 | 8.0 | | | |
| 14 | | | | | | 37 | 31 | 27 | 8.0 | | | |
| 15 | | | | | | 37 | 31 | 27 | 7.0 | | | |
| 16 | | | | | | 35 | 31 | 20 | 7.0 | | | |
| 17 | | | | | | 35 | 31 | 7.0 | 7.0 | | | |
| 18 | | | | | | 35 | 31 | 7.0 | 9.0 | | | |
| 19 | | | | | | 35 | 31 | 7.0 | 9.0 | | | |
| 20 | | | | | | 35 | 31 | 8.0 | 9.0 | | | |
| 21 | | | | | | 35 | 31 | 9.0 | 6.3 | | | |
| 22 | | | | | | 35 | 31 | 9.0 | 4.5 | | | |
| 23 | | | | | | 35 | 31 | 10 | 4.5 | | | |
| 24 | | | | | | 33 | 31 | 10 | 4.5 | | | |
| 25 | | | | | | 35 | 31 | 10 | 4.0 | | | |
| 26 | | | | | | 49 | 31 | 9.0 | 4.0 | | | |
| 27 | | | | | | 49 | 31 | 9.0 | 4.0 | | | |
| 28 | | | | | | 42 | 29 | 9.0 | 4.0 | | | |
| 29 | | ------ | | | | 40 | 31 | 9.0 | 4.0 | | | |
| 30 | | ------ | | | | 31 | 31 | 10 | 3.5 | | | |
| 31 | | ------ | | ------ | | ------ | 31 | 11 | ------ | | ------ | |
| TOTAL | | | | | | 1,383 | 878 | 573.0 | 206.3 | | | |
| MEAN | | | | | | 46.1 | 28.3 | 18.5 | 6.88 | | | |
| MAX | | | | | | 72 | 33 | 31 | 11 | | | |
| MIN | | | | | | 31 | 20 | 7.0 | 3.5 | | | |
| AC-FT | | | | | | 2,740 | 1,740 | 1,140 | 409 | | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

SOUTH SIOE CANAL 8ELOW HEAD GATE NUM8ER 41J 03000

OISCHARGE, IN CU8IC FEET PER SECONO, CALENDAP YEAR 1970

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 56 | 64 | 40 | 5.5 | | | |
| 2 | | | | | | 56 | 61 | 37 | 5.5 | | | |
| 3 | | | | | | 56 | 61 | 37 | 5.5 | | | |
| 4 | | | | | | 56 | 59 | 33 | 8.0 | | | |
| 5 | | | | | | 56 | 54 | 33 | 12 | | | |
| 6 | | | | | | 67 | 54 | 33 | 14 | | | |
| 7 | | | | | | 75 | 54 | 31 | 14 | | | |
| 8 | | | | | | 78 | 54 | 33 | 12 | | | |
| 9 | | | | | | 81 | 54 | 33 | 5.5 | | | |
| 10 | | | | | | 78 | 54 | 27 | 5.5 | | | |
| 11 | | | | | | 75 | 46 | 20 | 5.5 | | | |
| 12 | | | | | | 78 | 46 | 20 | 6.3 | | | |
| 13 | | | | | | 83 | 46 | 18 | 7.0 | | | |
| 14 | | | | | | 81 | 44 | 18 | 8.0 | | | |
| 15 | | | | | | 81 | 42 | 18 | 9.0 | | | |
| 16 | | | | | | 72 | 42 | 17 | 10 | | | |
| 17 | | | | | | 72 | 40 | 15 | 10 | | | |
| 18 | | | | | | 59 | 40 | 6.3 | 10 | | | |
| 19 | | | | | | 64 | 42 | 0 | 11 | | | |
| 20 | | | | | | 64 | 40 | 0 | 9.0 | | | |
| 21 | | | | | | 67 | 40 | 0 | 9.0 | | | |
| 22 | | | | | | 67 | 40 | 0 | 10 | | | |
| 23 | | | | | | 64 | 40 | 4.5 | 10 | | | |
| 24 | | | | | | 61 | 40 | 4.5 | 10 | | | |
| 25 | | | | | | 61 | 40 | 4.5 | 10 | | | |
| 26 | | | | | | 61 | 40 | 4.5 | 10 | | | |
| 27 | | | | | | 61 | 40 | 4.5 | 10 | | | |
| 28 | | | | | | 64 | 37 | 4.5 | 9.0 | | | |
| 29 | | ------ | | | | 64 | 40 | 5.0 | 9.0 | | | |
| 30 | | ------ | | | | 64 | 40 | 4.5 | 9.0 | | | |
| 31 | | ------ | | ------ | | ------ | 40 | 5.0 | ------ | | ------ | |
| TOTAL | | | | | | 2,022 | 1,434 | 510.8 | 269.3 | | | |
| MEAN | | | | | | 67.4 | 46.3 | 16.5 | 8.98 | | | |
| MAX | | | | | | 83 | 64 | 40 | 14 | | | |
| MIN | | | | | | 56 | 37 | 0 | 5.5 | | | |
| AC-FT | | | | | | 4,010 | 2,840 | 1,010 | 534 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 40 | 40 | 37 | 12 | 3.5 | | |
| 2 | | | | | 0 | 40 | 40 | 37 | 12 | 3.5 | | |
| 3 | | | | | 0 | 40 | 40 | 40 | 12 | 3.5 | | |
| 4 | | | | | 0 | 40 | 40 | 37 | 12 | 3.5 | | |
| 5 | | | | | 0 | 42 | 40 | 30 | 12 | 3.5 | | |
| 6 | | | | | 0 | 48 | 40 | 26 | 12 | 4.0 | | |
| 7 | | | | | 0 | 56 | 40 | 25 | 12 | 3.5 | | |
| 8 | | | | | 0 | 58 | 42 | 25 | 9.0 | 3.5 | | |
| 9 | | | | | 0 | 64 | 40 | 25 | 4.0 | 3.5 | | |
| 10 | | | | | 0 | 58 | 42 | 26 | 4.0 | 3.0 | | |
| 11 | | | | | 0 | 58 | 42 | 26 | 4.0 | 3.0 | | |
| 12 | | | | | 0 | 56 | 42 | 26 | 4.0 | 2.5 | | |
| 13 | | | | | 6.8 | 61 | 42 | 26 | 6.2 | 3.0 | | |
| 14 | | | | | 18 | 61 | 42 | 26 | 10 | 3.0 | | |
| 15 | | | | | 18 | 56 | 35 | 26 | 10 | 3.0 | | |
| 16 | | | | | 20 | 46 | 30 | 26 | 10 | 3.0 | | |
| 17 | | | | | 25 | 44 | 30 | 25 | 10 | 2.5 | | |
| 18 | | | | | 23 | 44 | 30 | 26 | 9.0 | 2.5 | | |
| 19 | | | | | 30 | 44 | 30 | 26 | 9.0 | 2.5 | | |
| 20 | | | | | 40 | 42 | 30 | 25 | 9.0 | 2.5 | | |
| 21 | | | | | 30 | 51 | 33 | 26 | 8.0 | 0 | | |
| 22 | | | | | 35 | 48 | 33 | 26 | 7.0 | 0 | | |
| 23 | | | | | 35 | 48 | 33 | 25 | 8.0 | 0 | | |
| 24 | | | | | 30 | 48 | 33 | 25 | 8.0 | 0 | | |
| 25 | | | | | 33 | 48 | 37 | 26 | 8.0 | 0 | | |
| 26 | | | | | 35 | 48 | 37 | 25 | 5.5 | 0 | | |
| 27 | | | | | 40 | 46 | 37 | 25 | 2.5 | 0 | | |
| 28 | | | | | 42 | 42 | 37 | 25 | 2.5 | 0 | | |
| 29 | | ------ | | | 42 | 42 | 35 | 23 | 3.5 | 0 | | |
| 30 | | ------ | | | 42 | 42 | 37 | 15 | 3.5 | 0 | | |
| 31 | | ------ | | ------ | 40 | ------ | 37 | 12 | ------ | 0 | ------ | |
| TOTAL | | | | | 584.8 | 1,461 | 1,146 | 819 | 238.7 | 62.5 | | |
| MEAN | | | | | 18.9 | 48.7 | 37.0 | 26.4 | 7.96 | 2.02 | | |
| MAX | | | | | 42 | 64 | 42 | 40 | 12 | 4.0 | | |
| MIN | | | | | 0 | 40 | 30 | 12 | 2.5 | 0 | | |
| AC-FT | | | | | 1,160 | 2,900 | 2,270 | 1,620 | 473 | 124 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 52 | 35 | 6.0 | | | |
| 2 | | | | | | 14 | 52 | 33 | 9.3 | | | |
| 3 | | | | | | 33 | 52 | 33 | 4.5 | | | |
| 4 | | | | | | 35 | 52 | 33 | 3.0 | | | |
| 5 | | | | | | 40 | 38 | 33 | 3.0 | | | |
| 6 | | | | | | 49 | 38 | 33 | 1.5 | | | |
| 7 | | | | | | 55 | 38 | 33 | 3.0 | | | |
| 8 | | | | | | 52 | 38 | 30 | 3.0 | | | |
| 9 | | | | | | 55 | 38 | 25 | 3.0 | | | |
| 10 | | | | | | 55 | 38 | 23 | 3.0 | | | |
| 11 | | | | | | 58 | 38 | 0 | 3.0 | | | |
| 12 | | | | | | 55 | 38 | 0 | 3.0 | | | |
| 13 | | | | | | 55 | 38 | 0 | 3.0 | | | |
| 14 | | | | | | 52 | 38 | 0 | 7.5 | | | |
| 15 | | | | | | 52 | 38 | 0 | 13 | | | |
| 16 | | | | | | 52 | 40 | 0 | 13 | | | |
| 17 | | | | | | 55 | 40 | 0 | 13 | | | |
| 18 | | | | | | 52 | 43 | 0 | 11 | | | |
| 19 | | | | | | 52 | 40 | 0 | 11 | | | |
| 20 | | | | | | 55 | 38 | 0 | 11 | | | |
| 21 | | | | | | 55 | 35 | 0 | 11 | | | |
| 22 | | | | | | 55 | 35 | 0 | 9.3 | | | |
| 23 | | | | | | 61 | 33 | 0 | 9.3 | | | |
| 24 | | | | | | 64 | 33 | 0 | 11 | | | |
| 25 | | | | | | 61 | 35 | 0 | 11 | | | |
| 26 | | | | | | 58 | 35 | 0 | 11 | | | |
| 27 | | | | | | 58 | 35 | 0 | 11 | | | |
| 28 | | | | | | 58 | 33 | 0 | 11 | | | |
| 29 | | | | | | 55 | 33 | 0 | 9.3 | | | |
| 30 | | ------ | | | | 55 | 33 | 0 | 11 | | | |
| 31 | | ------ | | ------ | | ------ | 35 | .25 | ------ | | ------ | |
| TOTAL | | | | | 0 | 1,506 | 1,202 | 311.25 | 232.7 | | | |
| MEAN | | | | | 0 | 50.2 | 38.8 | 10.0 | 7.76 | | | |
| MAX | | | | | 0 | 64 | 52 | 35 | 13 | | | |
| MIN | | | | | 0 | 0 | 33 | 0 | 1.5 | | | |
| AC-FT | | | | | 0 | 2,990 | 2,380 | 617 | 462 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 28 | 23 | | | | | |
| 2 | | | | | 0 | 28 | 23 | | | | | |
| 3 | | | | | 0 | 28 | 23 | | | | | |
| 4 | | | | | 0 | 33 | 12 | | | | | |
| 5 | | | | | 0 | 38 | 0 | | | | | |
| 6 | | | | | 0 | 38 | 0 | | | | | |
| 7 | | | | | 0 | 38 | 0 | | | | | |
| 8 | | | | | 0 | 38 | 0 | | | | | |
| 9 | | | | | 0 | 38 | 0 | | | | | |
| 10 | | | | | 0 | 40 | 0 | | | | | |
| 11 | | | | | 0 | 38 | 0 | | | | | |
| 12 | | | | | 0 | 38 | 0 | | | | | |
| 13 | | | | | 0 | 46 | 0 | | | | | |
| 14 | | | | | 0 | 46 | 0 | | | | | |
| 15 | | | | | 0 | 49 | 0 | | | | | |
| 16 | | | | | 0 | 38 | 0 | | | | | |
| 17 | | | | | 0 | 19 | 0 | | | | | |
| 18 | | | | | 0 | 19 | 0 | | | | | |
| 19 | | | | | 0 | 19 | 0 | | | | | |
| 20 | | | | | 0 | 19 | 0 | | | | | |
| 21 | | | | | 0 | 19 | 0 | | | | | |
| 22 | | | | | 0 | 19 | 0 | | | | | |
| 23 | | | | | 0 | 19 | 0 | | | | | |
| 24 | | | | | 17 | 19 | 0 | | | | | |
| 25 | | | | | 25 | 21 | 0 | | | | | |
| 26 | | | | | 28 | 21 | 0 | | | | | |
| 27 | | | | | 28 | 21 | 0 | | | | | |
| 28 | | | | | 28 | 21 | 0 | | | | | |
| 29 | | ------ | | | 28 | 21 | 0 | | | | | |
| 30 | | ------ | | | 28 | 23 | 0 | | | | | |
| 31 | | ------ | | ------ | 28 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | 210 | 882 | 81 | 0 | | | | |
| MEAN | | | | | 6.77 | 29.4 | 2.61 | 0 | | | | |
| MAX | | | | | 28 | 49 | 23 | 0 | | | | |
| MIN | | | | | 0 | 19 | 0 | 0 | | | | |
| AC-FT | | | | | 417 | 1,750 | 161 | 0 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 13 | 49 | 46 | | | | |
| 2 | | | | | 0 | 15 | 51 | 43 | | | | |
| 3 | | | | | 0 | 33 | 51 | 37 | | | | |
| 4 | | | | | 0 | 43 | 51 | 37 | | | | |
| 5 | | | | | 0 | 43 | 51 | 35 | | | | |
| 6 | | | | | 0 | 51 | 51 | 35 | | | | |
| 7 | | | | | 0 | 51 | 51 | 35 | | | | |
| 8 | | | | | 0 | 51 | 51 | 27 | | | | |
| 9 | | | | | 0 | 55 | 51 | 21 | | | | |
| 10 | | | | | 0 | 55 | 51 | 30 | | | | |
| 11 | | | | | 0 | 55 | 51 | 30 | | | | |
| 12 | | | | | 0 | 55 | 49 | 30 | | | | |
| 13 | | | | | 0 | 61 | 49 | 30 | | | | |
| 14 | | | | | 0 | 61 | 49 | 30 | | | | |
| 15 | | | | | 0 | 61 | 49 | 30 | | | | |
| 16 | | | | | 0 | 61 | 49 | 30 | | | | |
| 17 | | | | | 0 | 61 | 49 | 30 | | | | |
| 18 | | | | | 0 | 63 | 49 | 20 | | | | |
| 19 | | | | | 0 | 61 | 49 | 0 | | | | |
| 20 | | | | | 0 | 63 | 49 | 0 | | | | |
| 21 | | | | | 0 | 63 | 49 | 0 | | | | |
| 22 | | | | | 0 | 63 | 49 | 0 | | | | |
| 23 | | | | | 0 | 63 | 49 | 0 | | | | |
| 24 | | | | | 0 | 57 | 49 | 0 | | | | |
| 25 | | | | | 0 | 57 | 49 | 0 | | | | |
| 26 | | | | | 0 | 57 | 49 | 0 | | | | |
| 27 | | | | | 0 | 57 | 49 | 0 | | | | |
| 28 | | | | | 0 | 57 | 49 | 0 | | | | |
| 29 | | ------ | | | 0 | 57 | 49 | 0 | | | | |
| 30 | | ------ | | | 4.2 | 49 | 46 | 0 | | | | |
| 31 | | ------ | | ------ | 13 | ------ | 46 | 0 | ------ | | ------ | |
| TOTAL | | | | | 17.2 | 1,592 | 1,533 | 576 | 0 | | | |
| MEAN | | | | | .55 | 53.1 | 49.5 | 18.6 | 0 | | | |
| MAX | | | | | 13 | 63 | 51 | 46 | 0 | | | |
| MIN | | | | | 0 | 13 | 46 | 0 | 0 | | | |
| AC-FT | | | | | 34 | 3,160 | 3,040 | 1,140 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 40 | 67 | 38 | 4.5 | | | |
| 2 | | | | | 0 | 52 | 70 | 38 | 4.5 | | | |
| 3 | | | | | 0 | 55 | 67 | 35 | 4.5 | | | |
| 4 | | | | | 0 | 61 | 67 | 33 | 6.0 | | | |
| 5 | | | | | 0 | 61 | 64 | 33 | 6.0 | | | |
| 6 | | | | | 0 | 64 | 67 | 33 | 6.0 | | | |
| 7 | | | | | 0 | 67 | 67 | 35 | 6.0 | | | |
| 8 | | | | | 0 | 73 | 67 | 35 | 7.5 | | | |
| 9 | | | | | 0 | 67 | 67 | 35 | 7.5 | | | |
| 10 | | | | | 0 | 64 | 67 | 35 | 7.5 | | | |
| 11 | | | | | 0 | 64 | 67 | 35 | 7.5 | | | |
| 12 | | | | | 0 | 64 | 64 | 33 | 7.5 | | | |
| 13 | | | | | 0 | 76 | 64 | 33 | 4.4 | | | |
| 14 | | | | | 0 | 67 | 58 | 35 | 0 | | | |
| 15 | | | | | 0 | 67 | 46 | 35 | 0 | | | |
| 16 | | | | | 0 | 67 | 38 | 35 | 0 | | | |
| 17 | | | | | 0 | 70 | 40 | 38 | 0 | | | |
| 18 | | | | | 0 | 70 | 43 | 38 | 0 | | | |
| 19 | | | | | 0 | 70 | 40 | 38 | 0 | | | |
| 20 | | | | | 0 | 70 | 40 | 38 | 0 | | | |
| 21 | | | | | 0 | 70 | 40 | 38 | 0 | | | |
| 22 | | | | | 0 | 70 | 38 | 38 | 0 | | | |
| 23 | | | | | 0 | 70 | 38 | 38 | 0 | | | |
| 24 | | | | | 0 | 70 | 38 | 38 | 0 | | | |
| 25 | | | | | 0 | 70 | 38 | 35 | 0 | | | |
| 26 | | | | | 0 | 73 | 38 | 35 | 0 | | | |
| 27 | | | | | 0 | 70 | 38 | 35 | 0 | | | |
| 28 | | | | | 0 | 70 | 38 | 43 | 0 | | | |
| 29 | | ------ | | | 5.5 | 67 | 35 | 46 | 0 | | | |
| 30 | | ------ | | | 23 | 67 | 35 | 40 | 0 | | | |
| 31 | | ------ | | ------ | 35 | ------ | 38 | 11 | ------ | | ------ | |
| TOTAL | | | | | 63.5 | 1,986 | 1,584 | 1,105 | 79.4 | | | |
| MEAN | | | | | 2.05 | 66.2 | 51.1 | 35.6 | 2.65 | | | |
| MAX | | | | | 35 | 76 | 70 | 46 | 7.5 | | | |
| MIN | | | | | 0 | 40 | 35 | 11 | 0 | | | |
| AC-FT | | | | | 126 | 3,940 | 3,140 | 2,190 | 157 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

SOUTH SIDE CANAL BELOW HEAD GATE NUMBER 41J 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 61 | 46 | 30 | | | | |
| 2 | | | | | 0 | 61 | 46 | 28 | | | | |
| 3 | | | | | 0 | 61 | 43 | 25 | | | | |
| 4 | | | | | 0 | 70 | 35 | 25 | | | | |
| 5 | | | | | 0 | 70 | 35 | 25 | | | | |
| 6 | | | | | 0 | 73 | 35 | 25 | | | | |
| 7 | | | | | 0 | 70 | 38 | 28 | | | | |
| 8 | | | | | 0 | 70 | 38 | 28 | | | | |
| 9 | | | | | 0 | 70 | 30 | 28 | | | | |
| 10 | | | | | 0 | 73 | 30 | 25 | | | | |
| 11 | | | | | 0 | 73 | 30 | 25 | | | | |
| 12 | | | | | 0 | 70 | 35 | 30 | | | | |
| 13 | | | | | 0 | 70 | 35 | 38 | | | | |
| 14 | | | | | 0 | 67 | 35 | 38 | | | | |
| 15 | | | | | 0 | 67 | 35 | 40 | | | | |
| 16 | | | | | 1.3 | 58 | 38 | 40 | | | | |
| 17 | | | | | 19 | 55 | 38 | 33 | | | | |
| 18 | | | | | 28 | 55 | 38 | 28 | | | | |
| 19 | | | | | 28 | 49 | 40 | 30 | | | | |
| 20 | | | | | 28 | 49 | 38 | 33 | | | | |
| 21 | | | | | 38 | 49 | 28 | 33 | | | | |
| 22 | | | | | 64 | 55 | 11 | 40 | | | | |
| 23 | | | | | 67 | 52 | 17 | 28 | | | | |
| 24 | | | | | 67 | 52 | 28 | 19 | | | | |
| 25 | | | | | 67 | 52 | 28 | 19 | | | | |
| 26 | | | | | 67 | 49 | 30 | 19 | | | | |
| 27 | | | | | 67 | 49 | 28 | 9.3 | | | | |
| 28 | | | | | 67 | 46 | 28 | 0 | | | | |
| 29 | | | | | 64 | 46 | 28 | 0 | | | | |
| 30 | | ------ | | | 64 | 43 | 28 | 0 | | | | |
| 31 | | ------ | | ------ | 61 | ------ | 28 | 0 | ------ | | ------ | |
| TOTAL | | | | 0 | 797.3 | 1,785 | 1,020 | 769.3 | 0 | | | |
| MEAN | | | | 0 | 25.7 | 59.5 | 32.9 | 24.8 | 0 | | | |
| MAX | | | | 0 | 67 | 73 | 46 | 40 | 0 | | | |
| MIN | | | | 0 | 0 | 43 | 11 | 0 | 0 | | | |
| AC-FT | | | | 0 | 1,580 | 3,540 | 2,020 | 1,530 | 0 | | | |

41K 02080 Nilan Supply Canal Above Nilan Reservoir near Augusta, MT

LOCATION -- Lat 47° 27' 41", long 112° 34' 30: in NW¼ SW¼ NW¼ Sec. 24, T. 20 N., R. 8 W., Lewis and Clark County, on right bank 0.3 mi (0.5 km) upstream from Nilan reservoir, 0.9 mi (1.4 km) downstream from Ford Creek diversion, 4.9 mi (7.9 km) downstream from headgate in Smith Creek, 9 mi (14 km) west of Augusta.

DRAINAGE AREA -- Above diversions in Smith and Ford Creeks 45.5 sq. mi (117.8 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,580 ft (1,396 m) from topography map.

AVERAGE DISCHARGE -- 1968 to 1976 - 4,390 AF/season (5.41 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 136 $ft^3/s$ (3.85 $m^3/s$), May 4, 1971. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of moss growth. Smith Creek water is diverted to Ford Creek and the water from both creeks are diverted into Nilan Reservoir.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN SUPPLY CANAL ABOVE RESERVOIR NUMBER 41K 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 14 | 4.4 | 2.3 | 0 | | | | |
| 2 | | | | | 14 | 4.4 | 2.3 | 0 | | | | |
| 3 | | | | | 14 | 4.4 | 2.3 | 0 | | | | |
| 4 | | | | | 14 | 4.4 | 2.3 | 0 | | | | |
| 5 | | | | | 14 | 4.4 | 1.2 | 0 | | | | |
| 6 | | | | | 14 | 5.5 | 1.2 | 0 | | | | |
| 7 | | | | | 12 | 23 | 1.2 | 0 | | | | |
| 8 | | | | | 12 | 45 | 1.2 | 0 | | | | |
| 9 | | | | | 12 | 62 | 1.2 | 0 | | | | |
| 10 | | | | | 12 | 88 | 1.2 | 0 | | | | |
| 11 | | | | | 11 | 82 | 1.2 | 0 | | | | |
| 12 | | | | | 11 | 82 | 1.2 | 0 | | | | |
| 13 | | | | | 11 | 82 | 1.2 | 0 | | | | |
| 14 | | | | | 11 | 71 | 1.2 | 0 | | | | |
| 15 | | | | | 11 | 62 | 1.2 | 0 | | | | |
| 16 | | | | | 9.5 | 51 | 0 | 0 | | | | |
| 17 | | | | | 9.5 | 34 | 0 | 0 | | | | |
| 18 | | | | | 9.5 | 30 | 0 | 0 | | | | |
| 19 | | | | | 9.5 | 30 | 0 | 0 | | | | |
| 20 | | | | | 8.1 | 30 | 0 | 0 | | | | |
| 21 | | | | | 8.1 | 30 | 0 | 0 | | | | |
| 22 | | | | | 8.1 | 30 | 0 | 0 | | | | |
| 23 | | | | | 8.1 | 32 | 0 | 0 | | | | |
| 24 | | | | | 6.8 | 37 | 0 | 0 | | | | |
| 25 | | | | | 5.5 | 30 | 0 | 0 | | | | |
| 26 | | | | | 5.5 | 6.8 | 0 | 0 | | | | |
| 27 | | | | | 5.5 | 4.4 | 0 | 0 | | | | |
| 28 | | | | | 5.5 | 3.3 | 0 | 0 | | | | |
| 29 | | | | | 5.5 | 3.3 | 0 | 0 | | | | |
| 30 | | ------ | | | 4.4 | 3.3 | 0 | | | | | |
| 31 | | ------ | | ------ | 4.4 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | 300.5 | 979.6 | 22.4 | | | | | |
| MEAN | | | | | 9.69 | 32.7 | .72 | | | | | |
| MAX | | | | | 14 | 88 | 2.3 | | | | | |
| MIN | | | | | 4.4 | 3.3 | 0 | | | | | |
| AC-FT | | | | | 596 | 1,940 | 44 | | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN SUPPLY CANAL ABOVE RESERVOIR NUMBER 41K 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 30 | 4.0 | 99 | | | | | |
| 2 | | | | | 30 | 15 | 95 | | | | | |
| 3 | | | | | 27 | 15 | 92 | | | | | |
| 4 | | | | | 30 | 15 | 73 | | | | | |
| 5 | | | | | 30 | 12 | 69 | | | | | |
| 6 | | | | | 30 | 12 | 41 | | | | | |
| 7 | | | | | 30 | 0 | 20 | | | | | |
| 8 | | | | | 30 | 0 | 17 | | | | | |
| 9 | | | | | 30 | 0 | 10 | | | | | |
| 10 | | | | | 27 | 0 | 5.5 | | | | | |
| 11 | | | | | 27 | 10 | 3.5 | | | | | |
| 12 | | | | | 10 | 47 | 3.5 | | | | | |
| 13 | | | | | 5.5 | 47 | 3.5 | | | | | |
| 14 | | | | | 0 | 27 | 3.5 | | | | | |
| 15 | | | | | 0 | 0 | 3.5 | | | | | |
| 16 | | | | | 0 | 0 | 3.5 | | | | | |
| 17 | | | | | 0 | 0 | 3.5 | | | | | |
| 18 | | | | | 0 | 0 | 3.5 | | | | | |
| 19 | | | | | 0 | 0 | 3.5 | | | | | |
| 20 | | | | | 0 | 0 | 3.5 | | | | | |
| 21 | | | | | 0 | 0 | 3.5 | | | | | |
| 22 | | | | | 0 | 0 | 3.5 | | | | | |
| 23 | | | | | 0 | 0 | 3.5 | | | | | |
| 24 | | | | | 0 | 0 | 3.5 | | | | | |
| 25 | | | | | 0 | 0 | 3.5 | | | | | |
| 26 | | | | | 0 | 68 | 3.5 | | | | | |
| 27 | | | | | 0 | 113 | 3.5 | | | | | |
| 28 | | | | | 0 | 120 | 3.5 | | | | | |
| 29 | | ------ | | | 0 | 113 | 1.6 | | | | | |
| 30 | | ------ | | | 0 | 102 | 0 | | | | | |
| 31 | | ------ | | ------ | 0 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | | 336.5 | 720.0 | 586.1 | 0 | 0 | | | |
| MEAN | | | | | 10.9 | 24.0 | 18.9 | 0 | 0 | | | |
| MAX | | | | | 30 | 120 | 99 | 0 | 0 | | | |
| MIN | | | | | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 667 | 1,430 | 1,160 | 0 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN SUPPLY CANAL ABOVE RESERVOIR NUMBER 41K 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 10 | 10 | | | | | | |
| 2 | | | | 0 | 17 | 33 | | | | | | |
| 3 | | | | 0 | 22 | 66 | | | | | | |
| 4 | | | | 0 | 25 | 66 | | | | | | |
| 5 | | | | 3.5 | 33 | 0 | | | | | | |
| 6 | | | | 7.8 | 44 | 0 | | | | | | |
| 7 | | | | 7.8 | 76 | 0 | | | | | | |
| 8 | | | | 5.5 | 79 | 0 | | | | | | |
| 9 | | | | 5.5 | 79 | 0 | | | | | | |
| 10 | | | | 7.8 | 79 | 0 | | | | | | |
| 11 | | | | 7.8 | 82 | 0 | | | | | | |
| 12 | | | | 5.5 | 73 | 0 | | | | | | |
| 13 | | | | 5.5 | 60 | 0 | | | | | | |
| 14 | | | | 3.5 | 47 | 0 | | | | | | |
| 15 | | | | 3.5 | 50 | 0 | | | | | | |
| 16 | | | | 5.5 | 53 | 0 | | | | | | |
| 17 | | | | 5.5 | 66 | 0 | | | | | | |
| 18 | | | | 5.5 | 69 | 0 | | | | | | |
| 19 | | | | 5.5 | 66 | 0 | | | | | | |
| 20 | | | | 5.5 | 66 | 0 | | | | | | |
| 21 | | | | 5.5 | 63 | 0 | | | | | | |
| 22 | | | | 5.5 | 63 | 0 | | | | | | |
| 23 | | | | 5.5 | 63 | 0 | | | | | | |
| 24 | | | | 7.8 | 63 | 0 | | | | | | |
| 25 | | | | 7.8 | 63 | 0 | | | | | | |
| 26 | | | | 5.5 | 66 | 0 | | | | | | |
| 27 | | | | 5.5 | 73 | 0 | | | | | | |
| 28 | | | | 7.8 | 44 | 0 | | | | | | |
| 29 | | ------ | | 7.8 | 12 | 0 | | | | | | |
| 30 | | ------ | | 7.8 | 12 | 0 | | | | | | |
| 31 | | ------ | | ------ | 12 | ------ | | | ------ | | ------ | |
| TOTAL | | | | 157.7 | 1,630 | 175 | 0 | 0 | | | | |
| MEAN | | | | 5.26 | 52.6 | 5.83 | 0 | 0 | | | | |
| MAX | | | | 7.8 | 82 | 66 | 0 | 0 | | | | |
| MIN | | | | 0 | 10 | 0 | 0 | 0 | | | | |
| AC-FT | | | | 313 | 3,230 | 347 | 0 | 0 | | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN SUPPLY CANAL ABOVE RESERVOIR NUMBER 41K 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 94 | 17 | 19 | | 0 | 19 | | |
| 2 | | | | 0 | 101 | 17 | 19 | | 0 | 17 | | |
| 3 | | | | 0 | 110 | 15 | 19 | | 0 | 17 | | |
| 4 | | | | 0 | 136 | 2.8 | 19 | | 0 | 17 | | |
| 5 | | | | 0 | 94 | 1.0 | 15 | | 0 | 17 | | |
| 6 | | | | 0 | 23 | 0 | 0 | | 0 | 17 | | |
| 7 | | | | 0 | 23 | 0 | 0 | | 0 | 17 | | |
| 8 | | | | 0 | 23 | 0 | 0 | | 0 | 17 | | |
| 9 | | | | 0 | 23 | 0 | 0 | | 0 | 15 | | |
| 10 | | | | 0 | 23 | 0 | 0 | | 0 | 15 | | |
| 11 | | | | 0 | 23 | 0 | 0 | | 0 | 15 | | |
| 12 | | | | 0 | 23 | 0 | 0 | | 0 | 15 | | |
| 13 | | | | 0 | 23 | 0 | 0 | | 0 | 17 | | |
| 14 | | | | 0 | 23 | 0 | 0 | | 0 | 17 | | |
| 15 | | | | 0 | 21 | 0 | 0 | | 0 | 19 | | |
| 16 | | | | 12 | 21 | 0 | 0 | | 0 | 17 | | |
| 17 | | | | 32 | 21 | 0 | 0 | | 3.7 | 17 | | |
| 18 | | | | 32 | 21 | 0 | 0 | | 23 | 17 | | |
| 19 | | | | 29 | 21 | 4.5 | 0 | | 23 | 17 | | |
| 20 | | | | 32 | 21 | 21 | 0 | | 23 | 19 | | |
| 21 | | | | 36 | 21 | 21 | 0 | | 23 | 17 | | |
| 22 | | | | 42 | 21 | 21 | 0 | | 23 | 17 | | |
| 23 | | | | 47 | 19 | 21 | 0 | | 19 | 17 | | |
| 24 | | | | 66 | 19 | 21 | 0 | | 19 | 17 | | |
| 25 | | | | 84 | 19 | 19 | 0 | | 19 | 17 | | |
| 26 | | | | 76 | 19 | 19 | 0 | | 17 | 17 | | |
| 27 | | | | 66 | 19 | 19 | 0 | | 19 | 15 | | |
| 28 | | | | 80 | 19 | 19 | 0 | | 19 | 17 | | |
| 29 | | ------ | | 80 | 17 | 19 | 0 | | 19 | 15 | | |
| 30 | | ------ | | 84 | 17 | 19 | 0 | | 19 | 23 | | |
| 31 | | ------ | | ------ | 17 | ------ | 0 | | ------ | 19 | ------ | |
| TOTAL | | | | 798 | 1,075 | 276.3 | 91 | 0 | 268.7 | 529 | | |
| MEAN | | | | 26.6 | 34.7 | 9.21 | 2.94 | 0 | 8.96 | 17.1 | | |
| MAX | | | | 84 | 136 | 21 | 19 | 0 | 23 | 23 | | |
| MIN | | | | 0 | 17 | 0 | 0 | 0 | 0 | 15 | | |
| AC-FT | | | | 1,580 | 2,130 | 548 | 181 | 0 | 533 | 1,050 | | |

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES OIVISION

NILAN SUPPLY CANAL A8OVE RESERVOIR NUM8ER 41K 02080

OISCHARGE, IN CU8IC FEET PER SECONO, CALENOAR YEAR 1972

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 29 | 44 | 15 | | | 0 | 15 | | |
| 2 | | | | 29 | 42 | 15 | | | 0 | 15 | | |
| 3 | | | | 29 | 37 | 15 | | | 0 | 15 | | |
| 4 | | | | 29 | 39 | 12 | | | 0 | 15 | | |
| 5 | | | | 29 | 50 | 12 | | | 0 | 15 | | |
| 6 | | | | 37 | 47 | 9.8 | | | 0 | 15 | | |
| 7 | | | | 37 | 37 | 9.8 | | | 0 | 15 | | |
| 8 | | | | 34 | 37 | 9.8 | | | 0 | 15 | | |
| 9 | | | | 34 | 37 | 9.8 | | | 0 | 13 | | |
| 10 | | | | 32 | 34 | 9.8 | | | 0 | 15 | | |
| 11 | | | | 32 | 34 | 25 | | | 4.0 | 15 | | |
| 12 | | | | 32 | 37 | 25 | | | 21 | 15 | | |
| 13 | | | | 32 | 42 | 25 | | | 19 | 15 | | |
| 14 | | | | 29 | 27 | 25 | | | 17 | 15 | | |
| 15 | | | | 29 | 8.0 | 25 | | | 17 | 15 | | |
| 16 | | | | 27 | 0 | 25 | | | 17 | 15 | | |
| 17 | | | | 27 | 0 | 25 | | | 17 | 15 | | |
| 18 | | | | 25 | 0 | 25 | | | 17 | 15 | | |
| 19 | | | | 25 | 1.0 | 25 | | | 17 | 15 | | |
| 20 | | | | 27 | 13 | 25 | | | 17 | 15 | | |
| 21 | | | | 27 | 15 | 25 | | | 17 | 15 | | |
| 22 | | | | 27 | 13 | 24 | | | 17 | 8.0 | | |
| 23 | | | | 27 | 13 | 0 | | | 17 | 0 | | |
| 24 | | | | 29 | 15 | 0 | | | 17 | 0 | | |
| 25 | | | | 32 | 13 | 0 | | | 17 | 0 | | |
| 26 | | | | 32 | 15 | 0 | | | 15 | 0 | | |
| 27 | | | | 39 | 13 | 0 | | | 17 | 0 | | |
| 28 | | | | 44 | 13 | 0 | | | 15 | 0 | | |
| 29 | | | | 50 | 13 | 0 | | | 15 | 0 | | |
| 30 | | ------ | | 47 | 15 | 0 | | | 15 | 0 | | |
| 31 | | ------ | | ------ | 15 | ------ | | | ------ | 0 | ------ | |
| TOTAL | | | | 958 | 719.0 | 417.0 | 0 | 0 | 325.0 | 321.0 | | |
| MEAN | | | | 31.9 | 23.2 | 13.9 | 0 | 0 | 10.8 | 10.4 | | |
| MAX | | | | 50 | 50 | 25 | 0 | 0 | 21 | 15 | | |
| MIN | | | | 25 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| AC-FT | | | | 1,900 | 1,430 | 827 | 0 | 0 | 645 | 637 | | |

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES OIVISION

NILAN SUPPLY CANAL A8OVE RESERVOIR NUM8ER 41K 02080

OISCHARGE, IN CU8IC FEET PER SECONO, CALENOAR YEAR 1973

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 9.8 | 22 | | | | | | | |
| 2 | | | | 9.8 | 22 | | | | | | | |
| 3 | | | | 9.8 | 25 | | | | | | | |
| 4 | | | | 12 | 30 | | | | | | | |
| 5 | | | | 12 | 33 | | | | | | | |
| 6 | | | | 14 | 36 | | | | | | | |
| 7 | | | | 12 | 39 | | | | | | | |
| 8 | | | | 12 | 42 | | | | | | | |
| 9 | | | | 12 | 39 | | | | | | | |
| 10 | | | | 12 | 36 | | | | | | | |
| 11 | | | | 14 | 32 | | | | | | | |
| 12 | | | | 18 | 27 | | | | | | | |
| 13 | | | | 18 | 27 | | | | | | | |
| 14 | | | | 18 | 30 | | | | | | | |
| 15 | | | | 16 | 0 | | | | | | | |
| 16 | | | | 16 | 0 | | | | | | | |
| 17 | | | | 16 | 0 | | | | | | | |
| 18 | | | | 16 | 0 | | | | | | | |
| 19 | | | | 16 | 0 | | | | | | | |
| 20 | | | | 16 | 0 | | | | | | | |
| 21 | | | | 16 | 0 | | | | | | | |
| 22 | | | | 16 | 0 | | | | | | | |
| 23 | | | | 18 | 0 | | | | | | | |
| 24 | | | | 20 | 0 | | | | | | | |
| 25 | | | | 20 | 0 | | | | | | | |
| 26 | | | | 20 | 0 | | | | | | | |
| 27 | | | | 25 | 0 | | | | | | | |
| 28 | | | | 30 | 0 | | | | | | | |
| 29 | | ------ | | 27 | 0 | | | | | | | |
| 30 | | ------ | | 25 | 0 | | | | | | | |
| 31 | | ------ | | ------ | 0 | ------ | | | ------ | | ------ | |
| TOTAL | | | | 496.4 | 440 | 0 | 0 | 0 | 0 | | | |
| MEAN | | | | 16.5 | 14.2 | 0 | 0 | 0 | 0 | | | |
| MAX | | | | 30 | 42 | 0 | 0 | 0 | 0 | | | |
| MIN | | | | 9.8 | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 985 | 873 | 0 | 0 | 0 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN SUPPLY CANAL ABOVE RESERVOIR NUMBER 41K 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 15 | 47 | 103 | 10 | | 0 | 11 | | |
| 2 | | | | 13 | 50 | 107 | 0 | | 0 | 9.7 | | |
| 3 | | | | 13 | 47 | 112 | 0 | | 0 | 9.7 | | |
| 4 | | | | 13 | 47 | 120 | 0 | | 0 | 9.7 | | |
| 5 | | | | 13 | 47 | 120 | 0 | | 0 | 11 | | |
| 6 | | | | 13 | 53 | 116 | 0 | | 0 | 11 | | |
| 7 | | | | 13 | 57 | 99 | 0 | | 0 | 13 | | |
| 8 | | | | 13 | 60 | 75 | 0 | | 0 | 11 | | |
| 9 | | | | 13 | 60 | 83 | 0 | | 0 | 5.7 | | |
| 10 | | | | 13 | 47 | 79 | 0 | | 0 | 0 | | |
| 11 | | | | 15 | 45 | 75 | 0 | | 0 | 0 | | |
| 12 | | | | 17 | 45 | 67 | 0 | | 0 | 0 | | |
| 13 | | | | 15 | 41 | 71 | 0 | | 0 | 7.8 | | |
| 14 | | | | 15 | 26 | 79 | 0 | | 13 | 13 | | |
| 15 | | | | 17 | 0 | 79 | 0 | | 12 | 11 | | |
| 16 | | | | 19 | 0 | 83 | 0 | | 0 | 11 | | |
| 17 | | | | 19 | 0 | 79 | 0 | | 0 | 11 | | |
| 18 | | | | 22 | 0 | 79 | 0 | | 0 | 11 | | |
| 19 | | | | 25 | 0 | 60 | 0 | | 0 | 13 | | |
| 20 | | | | 25 | 0 | 39 | 0 | | 6.6 | 13 | | |
| 21 | | | | 25 | 21 | 47 | 0 | | 17 | 11 | | |
| 22 | | | | 22 | 39 | 53 | 0 | | 17 | 6.3 | | |
| 23 | | | | 27 | 24 | 53 | 0 | | 9.7 | 6.3 | | |
| 24 | | | | 33 | 0 | 53 | 0 | | 1.0 | 6.3 | | |
| 25 | | | | 39 | 0 | 53 | 0 | | 1.0 | 8.0 | | |
| 26 | | | | 47 | 17 | 41 | 0 | | 0 | 8.0 | | |
| 27 | | | | 47 | 53 | 27 | 0 | | 0 | 8.0 | | |
| 28 | | | | 45 | 75 | 27 | 0 | | 0 | 8.0 | | |
| 29 | | ------ | | 39 | 91 | 27 | 0 | | 0 | 8.0 | | |
| 30 | | ------ | | 39 | 99 | 27 | 0 | | 8.0 | 8.0 | | |
| 31 | | ------ | | ------ | 99 | ------ | 0 | | ------ | 8.0 | ------ | |
| TOTAL | | | | 684 | 1,190 | 2,133 | 10 | 0 | 85.3 | 268.5 | | |
| MEAN | | | | 22.8 | 38.4 | 71.1 | .32 | 0 | 2.84 | 8.66 | | |
| MAX | | | | 47 | 99 | 120 | 10 | 0 | 17 | 13 | | |
| MIN | | | | 13 | 0 | 27 | 0 | 0 | 0 | 0 | | |
| AC-FT | | | | 1,360 | 2,360 | 4,230 | 20 | 0 | 169 | 533 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN SURPLY CANAL ABOVE RESERVOIR NUMBER 41K 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 22 | 22 | 2.8 | | | | | |
| 2 | | | | 0 | 20 | 22 | 2.8 | | | | | |
| 3 | | | | 0 | 22 | 22 | 2.8 | | | | | |
| 4 | | | | 0 | 27 | 20 | 2.8 | | | | | |
| 5 | | | | 0 | 27 | 20 | 2.8 | | | | | |
| 6 | | | | 0 | 30 | 20 | 2.8 | | | | | |
| 7 | | | | 0 | 57 | 22 | 2.8 | | | | | |
| 8 | | | | 0 | 76 | 22 | 2.8 | | | | | |
| 9 | | | | 0 | 84 | 20 | 2.8 | | | | | |
| 10 | | | | 0 | 76 | 20 | 2.8 | | | | | |
| 11 | | | | 0 | 72 | 20 | 2.8 | | | | | |
| 12 | | | | 0 | 72 | 20 | 2.8 | | | | | |
| 13 | | | | 0 | 88 | 20 | 2.8 | | | | | |
| 14 | | | | 0 | 88 | 20 | 1.4 | | | | | |
| 15 | | | | 0 | 96 | 20 | 0 | | | | | |
| 16 | | | | 4.9 | 100 | 20 | 0 | | | | | |
| 17 | | | | 22 | 100 | 20 | 0 | | | | | |
| 18 | | | | 22 | 54 | 20 | 0 | | | | | |
| 19 | | | | 25 | 0 | 9.8 | 0 | | | | | |
| 20 | | | | 25 | 0 | 9.8 | 0 | | | | | |
| 21 | | | | 20 | 0 | 8.0 | 0 | | | | | |
| 22 | | | | 20 | 0 | 6.3 | 0 | | | | | |
| 23 | | | | 20 | 0 | 6.3 | 0 | | | | | |
| 24 | | | | 20 | 0 | 4.5 | 0 | | | | | |
| 25 | | | | 22 | 0 | 6.3 | 0 | | | | | |
| 26 | | | | 51 | 0 | 4.5 | 0 | | | | | |
| 27 | | | | 45 | 0 | 6.3 | 0 | | | | | |
| 28 | | | | 30 | 0 | 4.5 | 0 | | | | | |
| 29 | | ------ | | 27 | 0 | 4.5 | 0 | | | | | |
| 30 | | ------ | | 25 | 7.3 | 2.8 | 0 | | | | | |
| 31 | | ------ | | ------ | 22 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | 378.9 | 1,140.3 | 443.6 | 37.8 | 0 | 0 | | | |
| MEAN | | | | 12.6 | 36.8 | 14.8 | 1.22 | 0 | 0 | | | |
| MAX | | | | 51 | 100 | 22 | 2.8 | 0 | 0 | | | |
| MIN | | | | 0 | 0 | 2.8 | 0 | 0 | 0 | | | |
| AC-FT | | | | 752 | 2,260 | 880 | 75 | 0 | 0 | | | |

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN SUPPLY CANAL ABOVE RESERVOIR NUMBER 41K 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | 0 | 8.0 | 61 | 0 | | | | | | |
| 2 | | | 0 | 8.0 | 72 | 0 | | | | | | |
| 3 | | | 0 | 8.0 | 80 | 0 | | | | | | |
| 4 | | | 0 | 8.0 | 28 | 32 | | | | | | |
| 5 | | | 0 | 8.0 | 0 | 88 | | | | | | |
| 6 | | | 0 | 9.8 | 0 | 84 | | | | | | |
| 7 | | | 0 | 18 | 0 | 84 | | | | | | |
| 8 | | | 0 | 36 | 0 | 55 | | | | | | |
| 9 | | | 0 | 36 | 0 | 33 | | | | | | |
| 10 | | | 0 | 36 | 0 | 33 | | | | | | |
| 11 | | | 0 | 39 | 0 | 33 | | | | | | |
| 12 | | | 0 | 42 | 0 | 33 | | | | | | |
| 13 | | | 0 | 42 | 0 | 33 | | | | | | |
| 14 | | | 0 | 39 | 0 | 30 | | | | | | |
| 15 | | | 0 | 36 | 0 | 30 | | | | | | |
| 16 | | | 0 | 33 | 0 | 30 | | | | | | |
| 17 | | | 0 | 30 | 0 | 30 | | | | | | |
| 18 | | | 0 | 27 | 0 | 30 | | | | | | |
| 19 | | | 0 | 30 | 0 | 30 | | | | | | |
| 20 | | | 0 | 28 | 0 | 30 | | | | | | |
| 21 | | | 0 | 25 | 0 | 30 | | | | | | |
| 22 | | | 0 | 28 | 0 | 30 | | | | | | |
| 23 | | | 0 | 28 | 0 | 30 | | | | | | |
| 24 | | | 0 | 28 | 0 | 18 | | | | | | |
| 25 | | | 0 | 30 | 0 | 8.0 | | | | | | |
| 26 | | | 0 | 33 | 0 | 8.0 | | | | | | |
| 27 | | | 0 | 30 | 0 | 3.0 | | | | | | |
| 28 | | | 0 | 30 | 0 | 0 | | | | | | |
| 29 | | | 0 | 33 | 0 | 0 | | | | | | |
| 30 | | ------ | 2.9 | 42 | 0 | 0 | | | | | | |
| 31 | | ------ | 8.0 | ------ | 0 | ------ | | | ------ | | ------ | |
| TOTAL | | | 10.9 | 828.8 | 241 | 845.0 | 0 | 0 | 0 | | | |
| MEAN | | | .35 | 27.6 | 7.77 | 28.2 | 0 | 0 | 0 | | | |
| MAX | | | 8.0 | 42 | 80 | 88 | 0 | 0 | 0 | | | |
| MIN | | | 0 | 8.0 | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | 22 | 1,640 | 478 | 1,680 | 0 | 0 | 0 | | | |

41K 03000 North Canal Above Drop to Willow Creek near Augusta, MT

LOCATION -- Lat 47° 30' 3", long 112° 32' 8", in NE¼ NE¼ SE¼ Sec. 7, T. 20 N., R. 7 W., Lewis and Clark County, on right bank 0.1 mi (0.2 km) upstream from Willow Creek which is 13.0 mi (20.9 km) upstream from mouth of Willow Creek, 7 mi (11 km) west of Augusta.

DRAINAGE AREA -- Above dam at reservoir 46.2 sq. mi (119.7 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,400 ft (1,340 m) from topography map.

AVERAGE DISCHARGE -- 1968 to 1976 - 1,040 AF/season (1.3 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 21 $ft^3/s$ (0.59 $m^3/s$), several days in 1974. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN NORTH CANAL ABOVE DROP TO WILLOW CREEK NUMBER 41K 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 17 | 8.0 | | | |
| 2 | | | | | | | 0 | 17 | 8.0 | | | |
| 3 | | | | | | | 0 | 18 | 8.0 | | | |
| 4 | | | | | | | 0 | 18 | 8.0 | | | |
| 5 | | | | | | | 0 | 18 | 6.0 | | | |
| 6 | | | | | | | 0 | 17 | 0 | | | |
| 7 | | | | | | | 0 | 18 | 0 | | | |
| 8 | | | | | | | 0 | 15 | 0 | | | |
| 9 | | | | | | | 0 | 10 | 0 | | | |
| 10 | | | | | | | 0 | 13 | 0 | | | |
| 11 | | | | | | | 0 | 11 | 0 | | | |
| 12 | | | | | | | 0 | 9.0 | 0 | | | |
| 13 | | | | | | | 0 | 9.0 | 0 | | | |
| 14 | | | | | | | 0 | 9.0 | 0 | | | |
| 15 | | | | | | | .66 | 11 | 0 | | | |
| 16 | | | | | | | 10 | 8.0 | 0 | | | |
| 17 | | | | | | | 17 | 5.3 | 0 | | | |
| 18 | | | | | | | 17 | 4.5 | 0 | | | |
| 19 | | | | | | | 17 | 3.8 | 0 | | | |
| 20 | | | | | | | 17 | 3.0 | 0 | | | |
| 21 | | | | | | | 17 | 2.3 | 0 | | | |
| 22 | | | | | | | 17 | 1.5 | 0 | | | |
| 23 | | | | | | | 17 | 0 | 0 | | | |
| 24 | | | | | | | 17 | 0 | 0 | | | |
| 25 | | | | | | | 17 | 0 | 0 | | | |
| 26 | | | | | | | 17 | 0 | 0 | | | |
| 27 | | | | | | | 17 | 0 | 0 | | | |
| 28 | | | | | | | 17 | 1.5 | 0 | | | |
| 29 | | | | | | | 17 | 1.5 | 0 | | | |
| 30 | | ------ | | | | | 17 | 1.5 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 17 | 5.3 | ------ | | ------ | |
| TOTAL | | | | | | 0 | 265.66 | 248.2 | 38.0 | | | |
| MEAN | | | | | | 0 | 8.57 | 8.01 | 1.27 | | | |
| MAX | | | | | | 0 | 17 | 18 | 8.0 | | | |
| MIN | | | | | | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | | 0 | 527 | 492 | 75 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN NORTH CANAL ABOVE DROP TO WILLOW CREEK NUMBER 41K 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 17 | 0 | | | |
| 2 | | | | | | | 0 | 17 | 0 | | | |
| 3 | | | | | | | 0 | 17 | 0 | | | |
| 4 | | | | | | | 0 | 17 | 0 | | | |
| 5 | | | | | | | 0 | 17 | 0 | | | |
| 6 | | | | | | | 0 | 17 | 0 | | | |
| 7 | | | | | | | 0 | 17 | 0 | | | |
| 8 | | | | | | | 0 | 17 | 0 | | | |
| 9 | | | | | | | 0 | 18 | 0 | | | |
| 10 | | | | | | | 0 | 18 | 0 | | | |
| 11 | | | | | | | 0 | 17 | 0 | | | |
| 12 | | | | | | | 0 | 17 | 0 | | | |
| 13 | | | | | | | 0 | 17 | 0 | | | |
| 14 | | | | | | | 0 | 18 | 0 | | | |
| 15 | | | | | | | 0 | 18 | 0 | | | |
| 16 | | | | | | | 0 | 17 | 0 | | | |
| 17 | | | | | | | 0 | 15 | 0 | | | |
| 18 | | | | | | | 0 | 9.0 | 0 | | | |
| 19 | | | | | | | 0 | 6.0 | 10 | | | |
| 20 | | | | | | | 0 | 5.3 | 10 | | | |
| 21 | | | | | | | 0 | 4.5 | 10 | | | |
| 22 | | | | | | | 0 | 3.8 | 10 | | | |
| 23 | | | | | | | 0 | 3.8 | 9.0 | | | |
| 24 | | | | | | | 0 | 3.0 | 9.0 | | | |
| 25 | | | | | | | 0 | 0 | 9.0 | | | |
| 26 | | | | | | | 0 | 0 | 9.0 | | | |
| 27 | | | | | | | 0 | 0 | 9.0 | | | |
| 28 | | | | | | | 0 | 0 | 9.0 | | | |
| 29 | | ------ | | | | | 0 | 0 | 9.0 | | | |
| 30 | | ------ | | | | | 5.5 | 0 | 9.0 | | | |
| 31 | | ------ | | ------ | | ------ | 17 | 0 | ------ | | ------ | |
| TOTAL | | | | | | 0 | 22.5 | 326.4 | 112.0 | | | |
| MEAN | | | | | | 0 | .73 | 10.5 | 3.73 | | | |
| MAX | | | | | | 0 | 17 | 18 | 10 | | | |
| MIN | | | | | | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | | 0 | 45 | 647 | 222 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN NORTH CANAL ABOVE DROP TO WILLOW CREEK NUMBER 41K 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | 0 | 7.0 | | | |
| 2 | | | | | | | | 0 | 8.0 | | | |
| 3 | | | | | | | | 0 | 7.0 | | | |
| 4 | | | | | | | | 0 | 7.0 | | | |
| 5 | | | | | | | | 0 | 7.0 | | | |
| 6 | | | | | | | | .45 | 4.2 | | | |
| 7 | | | | | | | | 9.0 | 0 | | | |
| 8 | | | | | | | | 11 | 0 | | | |
| 9 | | | | | | | | 14 | 0 | | | |
| 10 | | | | | | | | 13 | 0 | | | |
| 11 | | | | | | | | 13 | 0 | | | |
| 12 | | | | | | | | 13 | 0 | | | |
| 13 | | | | | | | | 13 | 0 | | | |
| 14 | | | | | | | | 13 | 0 | | | |
| 15 | | | | | | | | 13 | 0 | | | |
| 16 | | | | | | | | 13 | 0 | | | |
| 17 | | | | | | | | 13 | 0 | | | |
| 18 | | | | | | | | 13 | 0 | | | |
| 19 | | | | | | | | 13 | 0 | | | |
| 20 | | | | | | | | 13 | 0 | | | |
| 21 | | | | | | | | 13 | 0 | | | |
| 22 | | | | | | | | 13 | 0 | | | |
| 23 | | | | | | | | 13 | 0 | | | |
| 24 | | | | | | | | 1.5 | 0 | | | |
| 25 | | | | | | | | 1.5 | 0 | | | |
| 26 | | | | | | | | 2.3 | 0 | | | |
| 27 | | | | | | | | 8.0 | 0 | | | |
| 28 | | | | | | | | 8.0 | 0 | | | |
| 29 | | ------ | | | | | | 8.0 | 0 | | | |
| 30 | | ------ | | | | | | 8.0 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | | 8.0 | ------ | | ------ | |
| TOTAL | | | | | | | | 261.75 | 40.2 | | | |
| MEAN | | | | | | | | 8.44 | 1.34 | | | |
| MAX | | | | | | | | 14 | 8.0 | | | |
| MIN | | | | | | | | 0 | 0 | | | |
| AC-FT | | | | | | | | 519 | 80 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN NORTH CANAL ABOVE DROP TO WILLOW CREEK NUMBER 41K 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 11 | | | | |
| 2 | | | | | | | 0 | 11 | | | | |
| 3 | | | | | | | 0 | 11 | | | | |
| 4 | | | | | | | 0 | 9.0 | | | | |
| 5 | | | | | | | 0 | 9.0 | | | | |
| 6 | | | | | | | 0 | 9.0 | | | | |
| 7 | | | | | | | 0 | 8.0 | | | | |
| 8 | | | | | | | 0 | 6.0 | | | | |
| 9 | | | | | | | 0 | 6.0 | | | | |
| 10 | | | | | | | 0 | 6.0 | | | | |
| 11 | | | | | | | 0 | 6.0 | | | | |
| 12 | | | | | | | 0 | 6.0 | | | | |
| 13 | | | | | | | 0 | 6.0 | | | | |
| 14 | | | | | | | 0 | 6.0 | | | | |
| 15 | | | | | | | 0 | 6.0 | | | | |
| 16 | | | | | | | 0 | 5.2 | | | | |
| 17 | | | | | | | 0 | 5.2 | | | | |
| 18 | | | | | | | 0 | 5.2 | | | | |
| 19 | | | | | | | 1.5 | 4.0 | | | | |
| 20 | | | | | | | 8.0 | 2.1 | | | | |
| 21 | | | | | | | 9.0 | 4.5 | | | | |
| 22 | | | | | | | 9.0 | 3.0 | | | | |
| 23 | | | | | | | 8.0 | 2.2 | | | | |
| 24 | | | | | | | 8.0 | 2.2 | | | | |
| 25 | | | | | | | 8.0 | 2.2 | | | | |
| 26 | | | | | | | 8.0 | 2.2 | | | | |
| 27 | | | | | | | 8.0 | 3.8 | | | | |
| 28 | | | | | | | 8.0 | 8.0 | | | | |
| 29 | | ------ | | | | | 8.0 | 7.0 | | | | |
| 30 | | ------ | | | | | 9.0 | 7.0 | | | | |
| 31 | | ------ | | ------ | | ------ | 12 | 4.4 | ------ | | ------ | |
| TOTAL | | | | | | | 104.5 | 184.2 | 0 | | | |
| MEAN | | | | | | | 3.37 | 5.94 | 0 | | | |
| MAX | | | | | | | 12 | 11 | 0 | | | |
| MIN | | | | | | | 0 | 2.1 | 0 | | | |
| AC-FT | | | | | | | 207 | 365 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN NORTH CANAL ABOVE DROP TO WILLOW CREEK NUMBER 41K 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 9.3 | 0 | 8.3 | 0 | | | |
| 2 | | | | | 0 | 9.3 | 0 | 8.3 | 0 | | | |
| 3 | | | | | 0 | 9.3 | 0 | 8.3 | 0 | | | |
| 4 | | | | | 0 | 9.3 | 0 | 8.3 | 0 | | | |
| 5 | | | | | 0 | 9.3 | 1.2 | 8.3 | 0 | | | |
| 6 | | | | | 0 | 9.3 | 9.3 | 8.3 | 0 | | | |
| 7 | | | | | 0 | 9.3 | 9.3 | 8.3 | 0 | | | |
| 8 | | | | | 0 | 10 | 9.3 | 8.3 | 0 | | | |
| 9 | | | | | 0 | 10 | 9.3 | 8.3 | 0 | | | |
| 10 | | | | | 0 | 10 | 9.3 | 8.3 | 0 | | | |
| 11 | | | | | 0 | 10 | 9.3 | 8.3 | 0 | | | |
| 12 | | | | | 0 | 10 | 9.3 | 8.3 | 1.0 | | | |
| 13 | | | | | 0 | 9.3 | 8.3 | 8.3 | 0 | | | |
| 14 | | | | | 0 | 9.3 | 8.3 | 8.3 | 0 | | | |
| 15 | | | | | 0 | 9.3 | 8.3 | 8.3 | 0 | | | |
| 16 | | | | | 0 | 9.3 | 8.3 | 8.3 | 0 | | | |
| 17 | | | | | 0 | 9.3 | 8.3 | 8.3 | 0 | | | |
| 18 | | | | | 0 | 10 | 8.3 | 8.3 | 0 | | | |
| 19 | | | | | 0 | 10 | 8.3 | 8.3 | 0 | | | |
| 20 | | | | | 0 | 10 | 8.3 | 10 | 0 | | | |
| 21 | | | | | 0 | 10 | 8.3 | 8.3 | 0 | | | |
| 22 | | | | | 4.3 | 8.3 | 8.3 | 8.3 | 0 | | | |
| 23 | | | | | 9.3 | 0 | 8.3 | 8.3 | 0 | | | |
| 24 | | | | | 9.3 | 0 | 8.3 | 8.3 | 0 | | | |
| 25 | | | | | 9.3 | 0 | 8.3 | 8.3 | 0 | | | |
| 26 | | | | | 9.3 | 0 | 8.3 | 8.3 | 0 | | | |
| 27 | | | | | 9.3 | 0 | 8.3 | 8.3 | 0 | | | |
| 28 | | | | | 9.3 | 0 | 8.3 | 8.3 | 0 | | | |
| 29 | | | | | 9.3 | 0 | 8.3 | 4.6 | 0 | | | |
| 30 | | ------ | | | 9.3 | 0 | 8.3 | 0 | 0 | | | |
| 31 | | ------ | | ------ | 9.3 | ------ | 8.3 | 0 | ------ | | ------ | |
| TOTAL | | | | | 88.0 | 209.9 | 224.0 | 238.7 | 1.0 | | | |
| MEAN | | | | | 2.84 | 7.00 | 7.23 | 7.70 | .033 | | | |
| MAX | | | | | 9.3 | 10 | 9.3 | 10 | 1.0 | | | |
| MIN | | | | | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 175 | 416 | 444 | 473 | 2.0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN NORTH CANAL ABOVE DROP TO WILLOW CREEK NUMBER 41K 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 11 | 13 | 7.3 | 0 | | | |
| 2 | | | | | | 11 | 13 | 8.3 | 0 | | | |
| 3 | | | | | | 11 | 13 | 10 | 0 | | | |
| 4 | | | | | | 11 | 13 | 13 | 0 | | | |
| 5 | | | | | | 13 | 13 | 13 | 1.0 | | | |
| 6 | | | | | | 14 | 13 | 10 | 5.5 | | | |
| 7 | | | | | | 14 | 13 | 10 | 5.5 | | | |
| 8 | | | | | | 15 | 13 | 10 | 6.3 | | | |
| 9 | | | | | | 15 | 13 | 9.3 | 9.3 | | | |
| 10 | | | | | | 14 | 13 | 7.3 | 3.3 | | | |
| 11 | | | | | | 14 | 13 | 7.3 | 2.5 | | | |
| 12 | | | | | | 14 | 13 | 9.3 | .87 | | | |
| 13 | | | | | | 14 | 13 | 13 | 0 | | | |
| 14 | | | | | | 14 | 13 | 11 | 0 | | | |
| 15 | | | | | | 14 | 15 | 13 | 0 | | | |
| 16 | | | | | | 14 | 17 | 13 | 0 | | | |
| 17 | | | | | | 14 | 17 | 11 | 0 | | | |
| 18 | | | | | | 14 | 17 | 10 | 0 | | | |
| 19 | | | | | | 14 | 17 | 4.2 | 0 | | | |
| 20 | | | | | | 14 | 17 | 0 | 0 | | | |
| 21 | | | | | | 14 | 17 | 0 | 0 | | | |
| 22 | | | | | | 14 | 17 | 0 | 0 | | | |
| 23 | | | | | | 14 | 15 | 0 | 0 | | | |
| 24 | | | | | | 14 | 15 | 0 | 0 | | | |
| 25 | | | | | | 14 | 15 | 0 | 0 | | | |
| 26 | | | | | | 14 | 11 | 0 | 0 | | | |
| 27 | | | | | | 14 | 9.3 | 0 | 0 | | | |
| 28 | | | | | | 14 | 8.3 | 0 | 0 | | | |
| 29 | | ------ | | | | 13 | 8.3 | 0 | 0 | | | |
| 30 | | ------ | | | | 14 | 8.3 | 0 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 8.3 | 0 | ------ | | ------ | |
| TOTAL | | | | | | 408 | 414.5 | 190.0 | 34.27 | | | |
| MEAN | | | | | | 13.6 | 13.4 | 6.13 | 1.14 | | | |
| MAX | | | | | | 15 | 17 | 13 | 9.3 | | | |
| MIN | | | | | | 11 | 8.3 | 0 | 0 | | | |
| AC-FT | | | | | | 809 | 822 | 377 | 68 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN NORTH CANAL ABOVE DROP TO WILLOW CREEK NUMBER 41K 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 0 | 0 | 21 | 0 | | | |
| 2 | | | | | 0 | 0 | 0 | 21 | 0 | | | |
| 3 | | | | | 0 | 0 | 0 | 21 | 0 | | | |
| 4 | | | | | 0 | 0 | 0 | 21 | 0 | | | |
| 5 | | | | | 0 | 0 | 0 | 21 | 0 | | | |
| 6 | | | | | 0 | 0 | 0 | 21 | 0 | | | |
| 7 | | | | | 1.8 | 0 | 0 | 21 | 0 | | | |
| 8 | | | | | 3.3 | 0 | 5.4 | 15 | 0 | | | |
| 9 | | | | | 3.3 | 0 | 10 | 10 | 0 | | | |
| 10 | | | | | 4.0 | 0 | 10 | 10 | .66 | | | |
| 11 | | | | | 4.0 | 0 | 10 | 10 | 0 | | | |
| 12 | | | | | 4.7 | 0 | 10 | 10 | 0 | | | |
| 13 | | | | | 2.3 | 0 | 10 | 10 | 0 | | | |
| 14 | | | | | 0 | 0 | 10 | 10 | 0 | | | |
| 15 | | | | | 0 | 9.4 | 10 | 4.7 | 0 | | | |
| 16 | | | | | 3.8 | 21 | 10 | 0 | 0 | | | |
| 17 | | | | | 8.3 | 19 | 10 | 0 | 0 | | | |
| 18 | | | | | 8.3 | 19 | 10 | 0 | 0 | | | |
| 19 | | | | | 6.5 | 9.3 | 10 | 0 | 0 | | | |
| 20 | | | | | 0 | 4.0 | 10 | 0 | 0 | | | |
| 21 | | | | | 0 | 4.0 | 10 | 0 | 0 | | | |
| 22 | | | | | 0 | 4.0 | 10 | 0 | 0 | | | |
| 23 | | | | | 0 | 4.0 | 11 | 0 | 0 | | | |
| 24 | | | | | 0 | 4.0 | 14 | 0 | 0 | | | |
| 25 | | | | | 0 | 1.8 | 14 | 0 | 0 | | | |
| 26 | | | | | 0 | 0 | 14 | 0 | 0 | | | |
| 27 | | | | | 0 | 0 | 14 | 0 | 0 | | | |
| 28 | | | | | 0 | 0 | 17 | 0 | 0 | | | |
| 29 | | ------ | | | 0 | 0 | 21 | 0 | 0 | | | |
| 30 | | ------ | | | 0 | 0 | 21 | 0 | 0 | | | |
| 31 | | ------ | | ------ | 0 | ------ | 21 | 0 | ------ | | ------ | |
| TOTAL | | | | | 50.3 | 99.5 | 292.4 | 226.7 | .66 | | | |
| MEAN | | | | | 1.62 | 3.32 | 9.43 | 7.31 | .022 | | | |
| MAX | | | | | 8.3 | 21 | 21 | 21 | .66 | | | |
| MIN | | | | | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 100 | 197 | 580 | 450 | 1.3 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN NORTH CANAL ABOVE DROP TO WILLOW CREEK NUMBER 41K 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 0 | | 0 | | | | |
| 2 | | | | | 0 | 0 | | 0 | | | | |
| 3 | | | | | 0 | 0 | | 0 | | | | |
| 4 | | | | | 0 | 0 | | 0 | | | | |
| 5 | | | | | 0 | 0 | | 0 | | | | |
| 6 | | | | | 0 | 0 | | 0 | | | | |
| 7 | | | | | 0 | 0 | | 0 | | | | |
| 8 | | | | | 0 | 0 | | 0 | | | | |
| 9 | | | | | 1.1 | 0 | | 2.1 | | | | |
| 10 | | | | | 1.1 | 0 | | 8.3 | | | | |
| 11 | | | | | 1.1 | 0 | | 8.3 | | | | |
| 12 | | | | | 1.1 | 0 | | 8.3 | | | | |
| 13 | | | | | 1.1 | 0 | | 8.3 | | | | |
| 14 | | | | | .50 | 0 | | 8.3 | | | | |
| 15 | | | | | 0 | 0 | | 8.3 | | | | |
| 16 | | | | | 0 | 0 | | 8.3 | | | | |
| 17 | | | | | 0 | 0 | | 5.5 | | | | |
| 18 | | | | | 0 | 1.1 | | 3.3 | | | | |
| 19 | | | | | 0 | 1.8 | | 3.3 | | | | |
| 20 | | | | | 0 | 1.1 | | 3.3 | | | | |
| 21 | | | | | 0 | 1.1 | | 3.3 | | | | |
| 22 | | | | | 0 | 1.1 | | 1.6 | | | | |
| 23 | | | | | 0 | 1.1 | | 0 | | | | |
| 24 | | | | | 0 | .50 | | 0 | | | | |
| 25 | | | | | 0 | 0 | | 0 | | | | |
| 26 | | | | | 0 | 0 | | 0 | | | | |
| 27 | | | | | 0 | 0 | | 0 | | | | |
| 28 | | | | | 0 | 0 | | 0 | | | | |
| 29 | | ------ | | | 0 | 0 | | 0 | | | | |
| 30 | | ------ | | | 0 | 0 | | 0 | | | | |
| 31 | | ------ | | ------ | 0 | ------ | | 0 | ------ | | ------ | |
| TOTAL | | | | | 6.00 | 7.80 | 0 | 80.5 | 0 | | | |
| MEAN | | | | | .19 | .26 | 0 | 2.60 | 0 | | | |
| MAX | | | | | 1.1 | 1.8 | 0 | 8.3 | 0 | | | |
| MIN | | | | | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | | 12 | 15 | 0 | 160 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN NORTH CANAL ABOVE DROP TO WILLOW CREEK NUMBER 41K 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 15 | 10 | | | |
| 2 | | | | | | | 0 | 10 | 10 | | | |
| 3 | | | | | | | 0 | 4.0 | 10 | | | |
| 4 | | | | | | | 0 | 4.0 | 10 | | | |
| 5 | | | | | | | 0 | 4.0 | 10 | | | |
| 6 | | | | | | | 0 | 4.8 | 10 | | | |
| 7 | | | | | | | 0 | 4.8 | 11 | | | |
| 8 | | | | | | | 0 | 4.8 | 11 | | | |
| 9 | | | | | | | 0 | 4.8 | 11 | | | |
| 10 | | | | | | | 0 | 4.8 | 11 | | | |
| 11 | | | | | | | 0 | 4.8 | 11 | | | |
| 12 | | | | | | | 0 | 4.8 | 8.3 | | | |
| 13 | | | | | | | 0 | 4.8 | 5.5 | | | |
| 14 | | | | | | | 0 | 4.8 | 5.5 | | | |
| 15 | | | | | | | 0 | 4.8 | 5.5 | | | |
| 16 | | | | | | | 0 | 4.0 | 5.5 | | | |
| 17 | | | | | | | 0 | 4.0 | 4.8 | | | |
| 18 | | | | | | | 0 | 4.0 | 2.4 | | | |
| 19 | | | | | | | 0 | 4.0 | 0 | | | |
| 20 | | | | | | | 0 | 5.5 | 0 | | | |
| 21 | | | | | | | 8.2 | 11 | 0 | | | |
| 22 | | | | | | | 15 | 11 | 0 | | | |
| 23 | | | | | | | 15 | 11 | 0 | | | |
| 24 | | | | | | | 15 | 11 | 0 | | | |
| 25 | | | | | | | 15 | 11 | 0 | | | |
| 26 | | | | | | | 15 | 11 | 0 | | | |
| 27 | | | | | | | 15 | 11 | 0 | | | |
| 28 | | | | | | | 15 | 11 | 0 | | | |
| 29 | | | | | | | 15 | 10 | 0 | | | |
| 30 | | ------ | | | | | 15 | 10 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 15 | 10 | ------ | | ------ | |
| TOTAL | | | | | 0 | 0 | 158.2 | 224.5 | 152.5 | | | |
| MEAN | | | | | 0 | 0 | 5.10 | 7.24 | 5.08 | | | |
| MAX | | | | | 0 | 0 | 15 | 15 | 11 | | | |
| MIN | | | | | 0 | 0 | 0 | 4.0 | 0 | | | |
| AC-FT | | | | | 0 | 0 | 314 | 445 | 302 | | | |

41K 04000 East Canal Below Nilan Reservoir near Augusta, MT

LOCATION -- Lat 47° 28' 25", long 112° 30' 51" in SE¼ SE¼ NE¼ Sec. 20, T. 20 N., R. 7 W., Lewis and Clark County, on left bank, 0.1 mi (0.2 km) downstream from Nilan Reservoir, 8 mi (13 km) west of Augusta.

DRAINAGE AREA -- Above dam at Nilan Reservoir 46.2 sq. mi (119.7 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,410 ft (1,340 m) from topography map.

AVERAGE DISCHARGE -- 1968 to 1976 - 3,500 AF/season (4.3 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 55 $ft^3/s$ (1.56 $m^3/s$), August 4 and 5, 1969. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL BELOW RESERVOIR NUMBER 41K 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | .50 | 7.0 | 19 | 8.0 | | | |
| 2 | | | | | | 1.4 | 7.0 | 15 | 8.0 | | | |
| 3 | | | | | | 1.4 | 7.0 | 22 | 8.0 | | | |
| 4 | | | | | | 2.3 | 7.0 | 26 | 8.0 | | | |
| 5 | | | | | | 3.1 | 7.0 | 26 | 5.0 | | | |
| 6 | | | | | | .50 | 7.0 | 26 | 0 | | | |
| 7 | | | | | | 1.4 | 7.0 | 26 | 0 | | | |
| 8 | | | | | | 0 | 7.0 | 26 | 0 | | | |
| 9 | | | | | | 0 | 8.0 | 26 | 0 | | | |
| 10 | | | | | | 0 | 10 | 26 | 0 | | | |
| 11 | | | | | | 0 | 13 | 24 | 0 | | | |
| 12 | | | | | | 0 | 16 | 21 | 0 | | | |
| 13 | | | | | | 0 | 16 | 20 | 0 | | | |
| 14 | | | | | | 0 | 13 | 20 | 0 | | | |
| 15 | | | | | | 1.4 | 9.1 | 15 | 0 | | | |
| 16 | | | | | | 1.4 | 9.1 | 5.0 | 0 | | | |
| 17 | | | | | | 1.4 | 9.1 | 5.0 | 0 | | | |
| 18 | | | | | | 1.4 | 9.1 | 7.0 | 0 | | | |
| 19 | | | | | | 1.4 | 9.1 | 6.0 | 0 | | | |
| 20 | | | | | | 1.4 | 9.1 | 4.0 | 0 | | | |
| 21 | | | | | | 1.4 | 9.1 | 5.0 | 0 | | | |
| 22 | | | | | | 2.3 | 9.1 | 6.0 | 0 | | | |
| 23 | | | | | | 3.1 | 9.1 | 6.0 | 0 | | | |
| 24 | | | | | | 3.1 | 9.1 | 6.0 | 0 | | | |
| 25 | | | | | | 3.1 | 9.1 | 6.0 | 0 | | | |
| 26 | | | | | | .50 | 9.1 | 6.0 | 0 | | | |
| 27 | | | | | | 4.0 | 9.1 | 6.0 | 0 | | | |
| 28 | | | | | | 6.0 | 9.1 | 6.0 | 0 | | | |
| 29 | | | | | | 7.0 | 20 | 6.0 | 0 | | | |
| 30 | | ------ | | | | 7.0 | 26 | 6.0 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 26 | 7.0 | ------ | | ------ | |
| TOTAL | | | | | | 56.50 | 331.4 | 431.0 | 37.0 | | | |
| MEAN | | | | | | 1.88 | 10.7 | 13.9 | 1.23 | | | |
| MAX | | | | | | 7.0 | 26 | 26 | 8.0 | | | |
| MIN | | | | | | 0 | 7.0 | 4.0 | 0 | | | |
| AC-FT | | | | | | 112 | 657 | 855 | 73 | | | |

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL BELOW RESERVOIR NUMBER 41K 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 0 | 11 | 26 | | | |
| 2 | | | | | | 0 | 0 | 18 | 22 | | | |
| 3 | | | | | | 0 | 0 | 50 | 17 | | | |
| 4 | | | | | | 0 | 0 | 55 | 17 | | | |
| 5 | | | | | | 0 | 0 | 55 | 17 | | | |
| 6 | | | | | | 3.0 | 0 | 48 | 17 | | | |
| 7 | | | | | | 15 | 0 | 41 | 17 | | | |
| 8 | | | | | | 14 | 0 | 41 | 15 | | | |
| 9 | | | | | | 5.6 | 0 | 43 | 15 | | | |
| 10 | | | | | | 3.0 | 0 | 46 | 15 | | | |
| 11 | | | | | | 0 | 0 | 46 | 15 | | | |
| 12 | | | | | | 0 | 0 | 50 | 15 | | | |
| 13 | | | | | | 0 | 0 | 46 | 15 | | | |
| 14 | | | | | | 2.3 | 0 | 41 | 15 | | | |
| 15 | | | | | | 8.0 | 0 | 43 | 18 | | | |
| 16 | | | | | | 2.0 | 1.0 | 48 | 20 | | | |
| 17 | | | | | | 3.9 | 3.0 | 50 | 20 | | | |
| 18 | | | | | | 3.9 | 3.0 | 50 | 20 | | | |
| 19 | | | | | | 3.9 | 3.0 | 41 | 20 | | | |
| 20 | | | | | | .75 | 3.0 | 39 | 20 | | | |
| 21 | | | | | | 0 | 3.0 | 31 | 20 | | | |
| 22 | | | | | | 0 | 3.0 | 29 | 20 | | | |
| 23 | | | | | | 0 | 3.0 | 31 | 13 | | | |
| 24 | | | | | | 0 | 3.0 | 27 | 9.3 | | | |
| 25 | | | | | | 0 | 3.0 | 22 | 9.3 | | | |
| 26 | | | | | | 0 | 3.0 | 26 | 9.3 | | | |
| 27 | | | | | | 0 | 2.3 | 32 | 9.3 | | | |
| 28 | | | | | | 0 | 3.9 | 32 | 9.3 | | | |
| 29 | | ------ | | | | 0 | 6.5 | 32 | 9.3 | | | |
| 30 | | ------ | | | | 0 | 9.3 | 32 | 9.3 | | | |
| 31 | | ------ | | ------ | | ------ | 9.3 | 29 | ------ | | ------ | |
| TOTAL | | | | | | 65.35 | 62.3 | 1,185 | 474.1 | | | |
| MEAN | | | | | | 2.18 | 2.01 | 38.2 | 15.8 | | | |
| MAX | | | | | | 15 | 9.3 | 55 | 26 | | | |
| MIN | | | | | | 0 | 0 | 11 | 9.3 | | | |
| AC-FT | | | | | | 130 | 124 | 2,350 | 940 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL BELOW RESERVOIR NUMBER 41K 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 8.3 | 11 | 41 | | | |
| 2 | | | | | | | 8.3 | 11 | 41 | | | |
| 3 | | | | | | | 8.3 | 11 | 41 | | | |
| 4 | | | | | | | 8.3 | 11 | 41 | | | |
| 5 | | | | | | | 8.3 | 11 | 41 | | | |
| 6 | | | | | | | 10 | 26 | 41 | | | |
| 7 | | | | | | | 12 | 41 | 41 | | | |
| 8 | | | | | | | 12 | 31 | 32 | | | |
| 9 | | | | | | | 14 | 27 | 24 | | | |
| 10 | | | | | | | 19 | 27 | 20 | | | |
| 11 | | | | | | | 19 | 27 | 12 | | | |
| 12 | | | | | | | 19 | 27 | 9.3 | | | |
| 13 | | | | | | | 19 | 27 | 9.3 | | | |
| 14 | | | | | | | 19 | 27 | 9.3 | | | |
| 15 | | | | | | | 19 | 27 | 9.3 | | | |
| 16 | | | | | | | 19 | 27 | 12 | | | |
| 17 | | | | | | | 19 | 27 | 14 | | | |
| 18 | | | | | | | 19 | 32 | 9.3 | | | |
| 19 | | | | | | | 19 | 39 | 9.3 | | | |
| 20 | | | | | | | 14 | 39 | 9.3 | | | |
| 21 | | | | | | | 11 | 39 | 9.3 | | | |
| 22 | | | | | | | 11 | 39 | 4.6 | | | |
| 23 | | | | | | | 11 | 37 | 0 | | | |
| 24 | | | | | | | 13 | 26 | 0 | | | |
| 25 | | | | | | | 20 | 26 | 0 | | | |
| 26 | | | | | | | 20 | 26 | 0 | | | |
| 27 | | | | | | | 17 | 31 | 0 | | | |
| 28 | | | | | | | 12 | 32 | 0 | | | |
| 29 | | ------ | | | | | 12 | 31 | 0 | | | |
| 30 | | ------ | | | | | 11 | 31 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 11 | 41 | ------ | | ------ | |
| TOTAL | | | | | | | 442.5 | 865 | 480.0 | | | |
| MEAN | | | | | | | 14.3 | 27.9 | 16.0 | | | |
| MAX | | | | | | | 20 | 41 | 41 | | | |
| MIN | | | | | | | 8.3 | 11 | 0 | | | |
| AC-FT | | | | | | | 878 | 1,720 | 952 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL BELOW RESERVOIR NUMBER 41K 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 4.8 | 14 | 20 | 12 | | | |
| 2 | | | | | | 4.8 | 14 | 22 | 12 | | | |
| 3 | | | | | | 4.8 | 14 | 27 | 12 | | | |
| 4 | | | | | | 4.8 | 14 | 30 | 11 | | | |
| 5 | | | | | | 4.8 | 14 | 30 | 11 | | | |
| 6 | | | | | | 6.5 | 12 | 30 | 10 | | | |
| 7 | | | | | | 7.4 | 10 | 32 | 10 | | | |
| 8 | | | | | | 7.4 | 9.2 | 34 | 10 | | | |
| 9 | | | | | | 7.4 | 8.2 | 34 | 10 | | | |
| 10 | | | | | | 7.4 | 8.2 | 32 | 10 | | | |
| 11 | | | | | | 7.4 | 8.2 | 32 | 10 | | | |
| 12 | | | | | | 7.4 | 8.2 | 32 | 12 | | | |
| 13 | | | | | | 7.4 | 8.2 | 39 | 20 | | | |
| 14 | | | | | | 7.4 | 8.2 | 46 | 20 | | | |
| 15 | | | | | | 3.4 | 8.2 | 48 | 15 | | | |
| 16 | | | | | | 0 | 13 | 46 | 9.2 | | | |
| 17 | | | | | | 0 | 20 | 48 | 4.8 | | | |
| 18 | | | | | | 0 | 22 | 48 | .75 | | | |
| 19 | | | | | | 1.4 | 23 | 41 | 0 | | | |
| 20 | | | | | | 3.9 | 26 | 34 | 0 | | | |
| 21 | | | | | | 4.8 | 34 | 34 | 0 | | | |
| 22 | | | | | | 14 | 34 | 34 | 0 | | | |
| 23 | | | | | | 14 | 34 | 34 | 0 | | | |
| 24 | | | | | | 14 | 34 | 34 | 0 | | | |
| 25 | | | | | | 14 | 34 | 34 | 0 | | | |
| 26 | | | | | | 14 | 34 | 34 | 0 | | | |
| 27 | | | | | | 14 | 34 | 39 | 0 | | | |
| 28 | | | | | | 14 | 34 | 48 | 0 | | | |
| 29 | | ------ | | | | 14 | 26 | 48 | 0 | | | |
| 30 | | ------ | | | | 14 | 20 | 34 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 20 | 13 | ------ | | ------ | |
| TOTAL | | | | | | 229.2 | 600.6 | 1,091 | 199.75 | | | |
| MEAN | | | | | | 7.64 | 19.4 | 35.2 | 6.66 | | | |
| MAX | | | | | | 14 | 34 | 48 | 20 | | | |
| MIN | | | | | | 0 | 8.2 | 13 | 0 | | | |
| AC-FT | | | | | | 455 | 1,190 | 2,160 | 396 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL BELOW RESERVOIR NUMBER 41K 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | .75 | 7.4 | 13 | 23 | .75 | | | |
| 2 | | | | 0 | .75 | 7.4 | 17 | 18 | .75 | | | |
| 3 | | | | 0 | .75 | 8.3 | 17 | 11 | 0 | | | |
| 4 | | | | 0 | .75 | 8.3 | 17 | 11 | 0 | | | |
| 5 | | | | 0 | .75 | 8.3 | 19 | 11 | 0 | | | |
| 6 | | | | 0 | .75 | 8.3 | 24 | 11 | 0 | | | |
| 7 | | | | 0 | .75 | 8.3 | 24 | 11 | 0 | | | |
| 8 | | | | 0 | .75 | 8.3 | 24 | 11 | 0 | | | |
| 9 | | | | 0 | .75 | 8.3 | 27 | 11 | 0 | | | |
| 10 | | | | 0 | .75 | 8.3 | 34 | 6.5 | 0 | | | |
| 11 | | | | 0 | .75 | 8.3 | 34 | 2.3 | 0 | | | |
| 12 | | | | 0 | .75 | 8.3 | 34 | 2.3 | 0 | | | |
| 13 | | | | 0 | .75 | 9.3 | 34 | 1.5 | 0 | | | |
| 14 | | | | 0 | .75 | 9.3 | 34 | 1.5 | 0 | | | |
| 15 | | | | 0 | .75 | 9.3 | 37 | 1.5 | 0 | | | |
| 16 | | | | 0 | 1.5 | 9.3 | 46 | 2.3 | 0 | | | |
| 17 | | | | 0 | 1.5 | 9.3 | 46 | 2.3 | 0 | | | |
| 18 | | | | 0 | 1.5 | 9.3 | 46 | 2.3 | 0 | | | |
| 19 | | | | 0 | 3.0 | 9.3 | 23 | 2.3 | 0 | | | |
| 20 | | | | 0 | 3.0 | 18 | 15 | 2.3 | 0 | | | |
| 21 | | | | 0 | 3.0 | 24 | 13 | 1.5 | 0 | | | |
| 22 | | | | 0 | 6.5 | 20 | 10 | 1.5 | 0 | | | |
| 23 | | | | 0 | 7.4 | 10 | 10 | 2.3 | 0 | | | |
| 24 | | | | 0 | 7.4 | 10 | 10 | 2.3 | 0 | | | |
| 25 | | | | 0 | 7.4 | 10 | 10 | 2.3 | 0 | | | |
| 26 | | | | 1.3 | 7.4 | 10 | 10 | 1.5 | 0 | | | |
| 27 | | | | 2.3 | 7.4 | 10 | 11 | 1.5 | 0 | | | |
| 28 | | | | 1.5 | 7.4 | 10 | 11 | .75 | 0 | | | |
| 29 | | | | 1.5 | 7.4 | 10 | 11 | .75 | 0 | | | |
| 30 | | ------ | | 1.5 | 7.4 | 10 | 15 | .75 | 0 | | | |
| 31 | | ------ | | ------ | 7.4 | ------ | 23 | .75 | ------ | | ------ | |
| TOTAL | | | | 8.1 | 97.85 | 304.9 | 699 | 161.00 | 1.50 | | | |
| MEAN | | | | .27 | 3.16 | 10.2 | 22.5 | 5.19 | .050 | | | |
| MAX | | | | 2.3 | 7.4 | 24 | 46 | 23 | .75 | | | |
| MIN | | | | 0 | .75 | 7.4 | 10 | .75 | 0 | | | |
| AC-FT | | | | 16 | 194 | 605 | 1,390 | 319 | 3.0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL BELOW RESERVOIR NUMBER 41K 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 17 | 37 | 31 | 37 | | | |
| 2 | | | | | 0 | 23 | 37 | 29 | 39 | | | |
| 3 | | | | | 0 | 23 | 41 | 27 | 39 | | | |
| 4 | | | | | 0 | 23 | 48 | 23 | 24 | | | |
| 5 | | | | | 0 | 23 | 48 | 23 | 15 | | | |
| 6 | | | | | 0 | 20 | 46 | 23 | 17 | | | |
| 7 | | | | | 0 | 19 | 43 | 22 | 7.4 | | | |
| 8 | | | | | 0 | 19 | 39 | 22 | 3.0 | | | |
| 9 | | | | | 0 | 23 | 39 | 15 | 0 | | | |
| 10 | | | | | 0 | 26 | 36 | 10 | 0 | | | |
| 11 | | | | | 0 | 24 | 34 | 10 | 0 | | | |
| 12 | | | | | 0 | 29 | 32 | 13 | 0 | | | |
| 13 | | | | | 0 | 34 | 32 | 15 | 0 | | | |
| 14 | | | | | 4.3 | 34 | 32 | 15 | 0 | | | |
| 15 | | | | | 27 | 34 | 34 | 15 | 0 | | | |
| 16 | | | | | 31 | 34 | 36 | 15 | 0 | | | |
| 17 | | | | | 31 | 32 | 36 | 15 | 0 | | | |
| 18 | | | | | 31 | 34 | 36 | 14 | 0 | | | |
| 19 | | | | | 31 | 37 | 36 | 19 | 0 | | | |
| 20 | | | | | 31 | 41 | 39 | 23 | 0 | | | |
| 21 | | | | | 31 | 41 | 46 | 24 | 0 | | | |
| 22 | | | | | 24 | 39 | 48 | 24 | 0 | | | |
| 23 | | | | | 15 | 36 | 48 | 24 | 0 | | | |
| 24 | | | | | 12 | 36 | 46 | 22 | 0 | | | |
| 25 | | | | | 12 | 37 | 41 | 15 | 0 | | | |
| 26 | | | | | 12 | 39 | 36 | 13 | 0 | | | |
| 27 | | | | | 12 | 39 | 32 | 11 | 0 | | | |
| 28 | | | | | 12 | 39 | 32 | 11 | 0 | | | |
| 29 | | ------ | | | 12 | 39 | 31 | 23 | 0 | | | |
| 30 | | ------ | | | 13 | 39 | 31 | 12 | 0 | | | |
| 31 | | ------ | | ------ | 14 | ------ | 31 | 11 | ------ | | ------ | |
| TOTAL | | | | | 355.3 | 933 | 1,183 | 569 | 181.4 | | | |
| MEAN | | | | | 11.5 | 31.1 | 38.2 | 18.4 | 6.05 | | | |
| MAX | | | | | 31 | 41 | 48 | 31 | 39 | | | |
| MIN | | | | | 0 | 17 | 31 | 10 | 0 | | | |
| AC-FT | | | | | 705 | 1,850 | 2,350 | 1,130 | 360 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL BELOW RESERVOIR NUMBER 41K 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 1.3 | 0 | 22 | 45 | .75 | | | |
| 2 | | | | | 3.0 | 0 | 25 | 45 | .75 | | | |
| 3 | | | | | 3.0 | 0 | 27 | 45 | .75 | | | |
| 4 | | | | | 6.0 | 0 | 27 | 45 | .75 | | | |
| 5 | | | | | 8.0 | 0 | 27 | 45 | .75 | | | |
| 6 | | | | | 8.0 | 0 | 27 | 44 | .75 | | | |
| 7 | | | | | 8.0 | 0 | 25 | 44 | .75 | | | |
| 8 | | | | | 10 | .75 | 22 | 44 | .75 | | | |
| 9 | | | | | 16 | 1.5 | 22 | 44 | .75 | | | |
| 10 | | | | | 16 | 1.5 | 22 | 44 | .75 | | | |
| 11 | | | | | 23 | 1.5 | 18 | 35 | .75 | | | |
| 12 | | | | | 33 | 7.0 | 21 | 25 | .75 | | | |
| 13 | | | | | 30 | 7.0 | 28 | 9.4 | .75 | | | |
| 14 | | | | | 23 | 6.0 | 28 | 0 | 9.0 | | | |
| 15 | | | | | 12 | 10 | 23 | 1.6 | 10 | | | |
| 16 | | | | | 12 | 15 | 12 | 3.0 | 2.3 | | | |
| 17 | | | | | 12 | 15 | 13 | 3.0 | 2.3 | | | |
| 18 | | | | | 11 | 13 | 19 | 3.0 | 2.3 | | | |
| 19 | | | | | 9.0 | 13 | 27 | 1.5 | 2.3 | | | |
| 20 | | | | | 9.0 | 13 | 21 | 0 | 2.3 | | | |
| 21 | | | | | 3.4 | 13 | 16 | 0 | 2.3 | | | |
| 22 | | | | | 0 | 13 | 16 | 0 | .92 | | | |
| 23 | | | | | 0 | 12 | 30 | 0 | 0 | | | |
| 24 | | | | | 0 | 12 | 49 | .75 | 0 | | | |
| 25 | | | | | 0 | 12 | 47 | .75 | 0 | | | |
| 26 | | | | | 0 | 16 | 47 | .75 | 0 | | | |
| 27 | | | | | 0 | 21 | 49 | .75 | 0 | | | |
| 28 | | | | | 0 | 21 | 51 | .75 | 0 | | | |
| 29 | | ------ | | | 0 | 19 | 51 | .75 | 0 | | | |
| 30 | | ------ | | | 0 | 21 | 51 | .75 | 0 | | | |
| 31 | | ------ | | ------ | 0 | ------ | 49 | .75 | ------ | | ------ | |
| TOTAL | | | | 0 | 256.7 | 264.25 | 912 | 532.50 | 43.47 | | | |
| MEAN | | | | 0 | 8.28 | 8.81 | 29.4 | 17.2 | 1.45 | | | |
| MAX | | | | 0 | 33 | 21 | 51 | 45 | 10 | | | |
| MIN | | | | 0 | 0 | 0 | 12 | 0 | 0 | | | |
| AC-FT | | | | 0 | 509 | 524 | 1,810 | 1,060 | 86 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL BELOW RESERVOIR NUMBER 41K 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 4.0 | 9.0 | 35 | | | | |
| 2 | | | | | 0 | 4.0 | 9.0 | 35 | | | | |
| 3 | | | | | 0 | 4.0 | 9.0 | 35 | | | | |
| 4 | | | | | 0 | 3.0 | 8.0 | 35 | | | | |
| 5 | | | | | 0 | 3.0 | 8.0 | 35 | | | | |
| 6 | | | | | 0 | 4.0 | 8.0 | 35 | | | | |
| 7 | | | | | 0 | 4.0 | 8.0 | 35 | | | | |
| 8 | | | | | 0 | 4.0 | 9.0 | 27 | | | | |
| 9 | | | | | 0 | 4.0 | 9.0 | 0 | | | | |
| 10 | | | | | 0 | 4.0 | 9.0 | 4.0 | | | | |
| 11 | | | | | 0 | 4.0 | 9.0 | 18 | | | | |
| 12 | | | | | 0 | 4.0 | 9.0 | 10 | | | | |
| 13 | | | | | 0 | 4.0 | 9.0 | 6.0 | | | | |
| 14 | | | | | 0 | 4.0 | 12 | 6.0 | | | | |
| 15 | | | | | 0 | 4.0 | 18 | 6.0 | | | | |
| 16 | | | | | 0 | 4.0 | 18 | 7.0 | | | | |
| 17 | | | | | 0 | 4.0 | 18 | 6.0 | | | | |
| 18 | | | | | 0 | 4.0 | 18 | 6.0 | | | | |
| 19 | | | | | 0 | 4.0 | 18 | 6.0 | | | | |
| 20 | | | | | 0 | 4.0 | 18 | 6.0 | | | | |
| 21 | | | | | 0 | 4.0 | 19 | 6.0 | | | | |
| 22 | | | | | 0 | 4.0 | 27 | 6.0 | | | | |
| 23 | | | | | 0 | 5.0 | 27 | 6.0 | | | | |
| 24 | | | | | 0 | 6.0 | 27 | 6.0 | | | | |
| 25 | | | | | 0 | 9.0 | 27 | 6.0 | | | | |
| 26 | | | | | 0 | 9.0 | 27 | 6.0 | | | | |
| 27 | | | | | 0 | 9.0 | 27 | 6.0 | | | | |
| 28 | | | | | 0 | 9.0 | 27 | 6.0 | | | | |
| 29 | | ------ | | | 0 | 9.0 | 28 | 6.0 | | | | |
| 30 | | ------ | | | 2.3 | 9.0 | 35 | 6.0 | | | | |
| 31 | | ------ | | ------ | 4.0 | ------ | 35 | 2.3 | ------ | | ------ | |
| TOTAL | | | | | 6.3 | 151.0 | 539.0 | 415.3 | 0 | | | |
| MEAN | | | | | .20 | 5.03 | 17.4 | 13.4 | 0 | | | |
| MAX | | | | | 4.0 | 9.0 | 35 | 35 | 0 | | | |
| MIN | | | | | 0 | 3.0 | 8.0 | 0 | 0 | | | |
| AC-FT | | | | | 13 | 300 | 1,070 | 824 | 0 | | | |

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES OIVISION

NILAN EAST CANAL BELOW RESERVOIR NUMBER 41K 04000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENOAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 27 | 32 | 0 | | | |
| 2 | | | | | | 0 | 27 | 32 | 0 | | | |
| 3 | | | | | | 0 | 28 | 32 | 0 | | | |
| 4 | | | | | | 0 | 33 | 32 | 2.5 | | | |
| 5 | | | | | | 8.0 | 35 | 32 | 5.0 | | | |
| 6 | | | | | | 9.0 | 35 | 32 | 5.0 | | | |
| 7 | | | | | | 9.0 | 35 | 32 | 5.0 | | | |
| 8 | | | | | | 9.0 | 33 | 32 | 10 | | | |
| 9 | | | | | | 9.0 | 33 | 15 | 9.3 | | | |
| 10 | | | | | | 9.0 | 33 | 5.0 | 0 | | | |
| 11 | | | | | | 9.0 | 33 | 2.7 | 7.4 | | | |
| 12 | | | | | | 9.0 | 33 | 0 | 15 | | | |
| 13 | | | | | | 9.0 | 33 | 0 | 15 | | | |
| 14 | | | | | | 9.0 | 33 | 0 | 15 | | | |
| 15 | | | | | | 9.0 | 33 | 0 | 15 | | | |
| 16 | | | | | | 9.0 | 33 | 0 | 15 | | | |
| 17 | | | | | | 9.0 | 33 | 0 | 15 | | | |
| 18 | | | | | | 10 | 33 | 0 | 6.8 | | | |
| 19 | | | | | | 10 | 33 | 0 | 0 | | | |
| 20 | | | | | | 10 | 33 | 0 | 0 | | | |
| 21 | | | | | | 10 | 33 | 0 | 0 | | | |
| 22 | | | | | | 14 | 33 | 0 | 0 | | | |
| 23 | | | | | | 18 | 33 | 0 | 0 | | | |
| 24 | | | | | | 18 | 33 | 0 | 0 | | | |
| 25 | | | | | | 18 | 33 | 0 | 0 | | | |
| 26 | | | | | | 18 | 33 | 0 | 0 | | | |
| 27 | | | | | | 22 | 33 | 0 | 0 | | | |
| 28 | | | | | | 27 | 33 | 0 | 0 | | | |
| 29 | | | | | | 27 | 32 | 0 | 0 | | | |
| 30 | | ------ | | | | 27 | 32 | 0 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 32 | 0 | ------ | | ------ | |
| TOTAL | | | | 0 | 0 | 345.0 | 1,009 | 278.7 | 141.0 | | | |
| MEAN | | | | 0 | 0 | 11.5 | 32.5 | 8.99 | 4.70 | | | |
| MAX | | | | 0 | 0 | 27 | 35 | 32 | 15 | | | |
| MIN | | | | 0 | 0 | 0 | 27 | 0 | 0 | | | |
| AC-FT | | | | 0 | 0 | 684 | 2,000 | 553 | 280 | | | |

41K 04080 East Canal Above Drop to Smith Creek near Augusta, MT

LOCATION -- Lat 47° 26' 50:, log 112° 30' 12" in NE¼ SE¼ NW¼ Sec. 33, T. 20 N., R. 7 W., Lewis and Clark County, on left bank, 0.5 mi (0.8 km) upstream from drop at Smith Creek, which is at river mile 3.7 (6.0 km) from mouth of Smith Creek, 6 mi (10 km) southwest of Augusta.

DRAINAGE AREA -- Above dam at Nilan reservoir and side coulees draining into canal 48.2 sq. mi (124.8 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,395 ft (1,340 m) from topography maps.

AVERAGE DISCHARGE -- 1969 to 1976 - 2,200 AF/season (2.7 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 41 $ft^3/s$ (1.16 $m^3/s$), August 1974. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth.

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES OIVISION

NILAN EAST CANAL A8OVE OROP TO SMITH CREEK NUM8ER 41K 04080

OISCHARGE, IN CUBIC FEET PER SECONO, CALENOAR YEAR 1969

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 3.1 | 13 | | | |
| 2 | | | | | | | 0 | 4.4 | 9.5 | | | |
| 3 | | | | | | | 0 | 27 | 4.4 | | | |
| 4 | | | | | | | 0 | 29 | 4.4 | | | |
| 5 | | | | | | | 0 | 27 | 4.4 | | | |
| 6 | | | | | | | 0 | 27 | 4.4 | | | |
| 7 | | | | | | | 0 | 24 | 4.4 | | | |
| 8 | | | | | | | 0 | 26 | 3.8 | | | |
| 9 | | | | | | | 0 | 27 | 3.8 | | | |
| 10 | | | | | | | 0 | 29 | 3.8 | | | |
| 11 | | | | | | | 0 | 29 | 3.8 | | | |
| 12 | | | | | | | 0 | 31 | 3.8 | | | |
| 13 | | | | | | | 0 | 29 | 3.8 | | | |
| 14 | | | | | | | 0 | 24 | 3.8 | | | |
| 15 | | | | | | | 0 | 27 | 5.0 | | | |
| 16 | | | | | | | 0 | 31 | 8.0 | | | |
| 17 | | | | | | | 3.1 | 32 | 8.8 | | | |
| 18 | | | | | | | 3.1 | 34 | 9.5 | | | |
| 19 | | | | | | | 3.1 | 32 | 9.5 | | | |
| 20 | | | | | | | .50 | 24 | 9.5 | | | |
| 21 | | | | | | | 0 | 19 | 9.5 | | | |
| 22 | | | | | | | 0 | 13 | 9.5 | | | |
| 23 | | | | | | | 1.3 | 13 | 4.4 | | | |
| 24 | | | | | | | 2.5 | 13 | 0 | | | |
| 25 | | | | | | | 2.5 | 9.5 | 0 | | | |
| 26 | | | | | | | 2.5 | 11 | 0 | | | |
| 27 | | | | | | | 1.9 | 18 | 0 | | | |
| 28 | | | | | | | 2.5 | 18 | 0 | | | |
| 29 | | ------ | | | | | 6.5 | 18 | 0 | | | |
| 30 | | ------ | | | | | 5.8 | 17 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 5.0 | 13 | ------ | | ------ | |
| TOTAL | | | | | | | 40.30 | 679.0 | 144.8 | | | |
| MEAN | | | | | | | 1.30 | 21.9 | 4.83 | | | |
| MAX | | | | | | | 6.5 | 34 | 13 | | | |
| MIN | | | | | | | 0 | 3.1 | 0 | | | |
| AC-FT | | | | | | | 80 | 1,350 | 287 | | | |

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES OIVISION

NILAN EAST CANAL A8OVE OROP TO SMITH CREEK NUM8ER 41K 04080

OISCHARGE, IN CU8IC FEET PER SECONO, CALENDAR YEAR 1970

| DAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0 | 0 | 31 | | | |
| 2 | | | | | | | 0 | 0 | 31 | | | |
| 3 | | | | | | | 0 | 0 | 31 | | | |
| 4 | | | | | | | 0 | 0 | 31 | | | |
| 5 | | | | | | | 0 | 0 | 31 | | | |
| 6 | | | | | | | 0 | 8.6 | 31 | | | |
| 7 | | | | | | | 0 | 22 | 29 | | | |
| 8 | | | | | | | 1.3 | 18 | 29 | | | |
| 9 | | | | | | | 1.9 | 16 | 17 | | | |
| 10 | | | | | | | 6.5 | 16 | 15 | | | |
| 11 | | | | | | | 6.5 | 16 | 4.4 | | | |
| 12 | | | | | | | 5.8 | 16 | 1.3 | | | |
| 13 | | | | | | | 5.8 | 16 | 0 | | | |
| 14 | | | | | | | 5.8 | 16 | 0 | | | |
| 15 | | | | | | | 5.8 | 16 | 0 | | | |
| 16 | | | | | | | 5.8 | 16 | 1.3 | | | |
| 17 | | | | | | | 6.5 | 16 | 12 | | | |
| 18 | | | | | | | 6.5 | 18 | 9.5 | | | |
| 19 | | | | | | | 6.5 | 24 | 9.5 | | | |
| 20 | | | | | | | 2.9 | 24 | 9.5 | | | |
| 21 | | | | | | | 0 | 24 | 9.5 | | | |
| 22 | | | | | | | 0 | 24 | 6.7 | | | |
| 23 | | | | | | | 0 | 24 | 0 | | | |
| 24 | | | | | | | 0 | 17 | 0 | | | |
| 25 | | | | | | | 8.3 | 17 | 0 | | | |
| 26 | | | | | | | 8.8 | 17 | 0 | | | |
| 27 | | | | | | | 6.1 | 22 | 0 | | | |
| 29 | | | | | | | 0 | 20 | 0 | | | |
| 29 | | ------ | | | | | 0 | 20 | 0 | | | |
| 30 | | ------ | | | | | 0 | 21 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 0 | 31 | ------ | | ------ | |
| TOTAL | | | | | | | 90.8 | 495.6 | 339.7 | | | |
| MEAN | | | | | | | 2.93 | 16.0 | 11.3 | | | |
| MAX | | | | | | | 8.8 | 31 | 31 | | | |
| MIN | | | | | | | 0 | 0 | 0 | | | |
| AC-FT | | | | | | | 180 | 983 | 674 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL ABOVE DROP TO SMITH CREEK NUMBER 41K 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | .63 | 2.5 | 13 | 3.1 | | | |
| 2 | | | | | | .63 | 3.1 | 14 | 3.1 | | | |
| 3 | | | | | | .63 | 2.5 | 19 | 3.1 | | | |
| 4 | | | | | | .63 | 3.1 | 20 | 3.1 | | | |
| 5 | | | | | | .63 | 2.5 | 20 | 2.5 | | | |
| 6 | | | | | | 1.9 | 1.9 | 22 | 2.5 | | | |
| 7 | | | | | | 5.0 | 0 | 23 | 2.5 | | | |
| 8 | | | | | | 5.0 | 0 | 23 | 3.1 | | | |
| 9 | | | | | | 5.0 | 0 | 22 | 3.1 | | | |
| 10 | | | | | | 5.0 | 0 | 22 | 2.5 | | | |
| 11 | | | | | | 5.0 | 0 | 22 | 2.5 | | | |
| 12 | | | | | | 5.0 | 0 | 20 | 3.8 | | | |
| 13 | | | | | | 5.0 | 0 | 26 | 14 | | | |
| 14 | | | | | | 5.0 | 0 | 32 | 13 | | | |
| 15 | | | | | | .63 | 0 | 34 | 11 | | | |
| 16 | | | | | | 0 | 2.4 | 34 | 2.5 | | | |
| 17 | | | | | | 0 | 10 | 36 | 1.2 | | | |
| 18 | | | | | | 0 | 11 | 36 | 1.2 | | | |
| 19 | | | | | | 0 | 12 | 32 | 0 | | | |
| 20 | | | | | | 1.9 | 15 | 24 | 0 | | | |
| 21 | | | | | | 2.5 | 23 | 23 | 0 | | | |
| 22 | | | | | | 9.5 | 22 | 23 | 0 | | | |
| 23 | | | | | | 10 | 19 | 23 | 0 | | | |
| 24 | | | | | | 9.5 | 19 | 23 | 0 | | | |
| 25 | | | | | | 8.0 | 20 | 23 | 0 | | | |
| 26 | | | | | | 5.8 | 20 | 23 | 0 | | | |
| 27 | | | | | | 3.8 | 20 | 27 | 0 | | | |
| 28 | | | | | | 2.5 | 20 | 36 | 0 | | | |
| 29 | | ------ | | | | 2.5 | 16 | 36 | 0 | | | |
| 30 | | ------ | | | | 2.5 | 13 | 29 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 13 | 7.2 | ------ | | ------ | |
| TOTAL | | | | | | 104.18 | 271.0 | 767.2 | 77.8 | | | |
| MEAN | | | | | | 3.47 | 8.74 | 24.7 | 2.59 | | | |
| MAX | | | | | | 10 | 23 | 36 | 14 | | | |
| MIN | | | | | | 0 | 0 | 7.2 | 0 | | | |
| AC-FT | | | | | | 207 | 538 | 1,520 | 154 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL ABOVE DROP TO SMITH CREEK NUMBER 41K 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 3.8 | 6.5 | 4.4 | 19 | 0 | | | |
| 2 | | | | 0 | 3.1 | 6.5 | 9.5 | 10 | 0 | | | |
| 3 | | | | 0 | 2.5 | 6.5 | 9.5 | 0 | 0 | | | |
| 4 | | | | 0 | 1.9 | 6.5 | 9.5 | 0 | 0 | | | |
| 5 | | | | 0 | 2.5 | 6.5 | 9.5 | 0 | 0 | | | |
| 6 | | | | 0 | 3.1 | 6.5 | 16 | 0 | 0 | | | |
| 7 | | | | 0 | 3.1 | 6.5 | 16 | 0 | 0 | | | |
| 8 | | | | 0 | 2.5 | 7.3 | 16 | 0 | 0 | | | |
| 9 | | | | 0 | 2.5 | 7.3 | 18 | 0 | 0 | | | |
| 10 | | | | 0 | 1.9 | 7.3 | 21 | 0 | 0 | | | |
| 11 | | | | 0 | 1.9 | 7.3 | 21 | 0 | 0 | | | |
| 12 | | | | 0 | 1.3 | 7.3 | 20 | 0 | .25 | | | |
| 13 | | | | 0 | 0 | 7.3 | 22 | 0 | .40 | | | |
| 14 | | | | 0 | 0 | 7.3 | 22 | 0 | .25 | | | |
| 15 | | | | 0 | 0 | 7.3 | 24 | 0 | 0 | | | |
| 16 | | | | 0 | 0 | 8.0 | 29 | 0 | 0 | | | |
| 17 | | | | 0 | .71 | 8.0 | 32 | 0 | 0 | | | |
| 18 | | | | 0 | 2.5 | 8.0 | 34 | 0 | 0 | | | |
| 19 | | | | 0 | 3.1 | 8.0 | 17 | 0 | 0 | | | |
| 20 | | | | 0 | 3.7 | 13 | 8.0 | 0 | 0 | | | |
| 21 | | | | 0 | 3.1 | 16 | 5.7 | 0 | 0 | | | |
| 22 | | | | 0 | 3.1 | 14 | 0 | 0 | 0 | | | |
| 23 | | | | 0 | 5.7 | 4.4 | 0 | 0 | 0 | | | |
| 24 | | | | 0 | 6.5 | 17 | 0 | 0 | 0 | | | |
| 25 | | | | 0 | 6.5 | 21 | 0 | 0 | 0 | | | |
| 26 | | | | 0 | 6.5 | 18 | 0 | 0 | 0 | | | |
| 27 | | | | 2.2 | 6.5 | 16 | 0 | 0 | 0 | | | |
| 28 | | | | 3.1 | 6.5 | 6.9 | 0 | 0 | 0 | | | |
| 29 | | | | 3.8 | 6.5 | .63 | 0 | 0 | 0 | | | |
| 30 | | ------ | | 5.0 | 6.5 | 1.3 | 2.6 | 0 | 0 | | | |
| 31 | | ------ | | ------ | 6.5 | ------ | 11 | 0 | ------ | | ------ | |
| TOTAL | | | | 14.1 | 104.01 | 264.13 | 377.7 | 29 | .90 | | | |
| MEAN | | | | .47 | 3.36 | 8.80 | 12.2 | .94 | .030 | | | |
| MAX | | | | 5.0 | 6.5 | 21 | 34 | 19 | .40 | | | |
| MIN | | | | 0 | 0 | .63 | 0 | 0 | 0 | | | |
| AC-FT | | | | 28 | 206 | 524 | 749 | 58 | 1.8 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL ABOVE DROP TO SMITH CREEK NUMBER 41K 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 14 | 24 | 23 | 34 | | | |
| 2 | | | | | 0 | 20 | 25 | 23 | 38 | | | |
| 3 | | | | | 0 | 20 | 26 | 23 | 36 | | | |
| 4 | | | | | 0 | 20 | 32 | 18 | 22 | | | |
| 5 | | | | | 0 | 18 | 34 | 17 | 13 | | | |
| 6 | | | | | 0 | 15 | 34 | 16 | 16 | | | |
| 7 | | | | | 0 | 13 | 31 | 16 | 7.3 | | | |
| 8 | | | | | 0 | 13 | 27 | 15 | 1.9 | | | |
| 9 | | | | | 0 | 15 | 27 | 11 | 0 | | | |
| 10 | | | | | 0 | 19 | 26 | 6.5 | 0 | | | |
| 11 | | | | | 0 | 20 | 24 | 5.8 | 0 | | | |
| 12 | | | | | 0 | 22 | 23 | 7.3 | 0 | | | |
| 13 | | | | | 0 | 27 | 22 | 9.5 | 0 | | | |
| 14 | | | | | 0 | 27 | 22 | 9.5 | 0 | | | |
| 15 | | | | | 13 | 26 | 24 | 8.8 | 0 | | | |
| 16 | | | | | 22 | 27 | 26 | 8.0 | 0 | | | |
| 17 | | | | | 23 | 27 | 26 | 7.3 | 0 | | | |
| 18 | | | | | 23 | 27 | 26 | 6.5 | 0 | | | |
| 19 | | | | | 20 | 31 | 26 | 8.0 | 0 | | | |
| 20 | | | | | 20 | 32 | 27 | 22 | 0 | | | |
| 21 | | | | | 20 | 31 | 34 | 22 | 0 | | | |
| 22 | | | | | 15 | 27 | 40 | 22 | 0 | | | |
| 23 | | | | | 10 | 24 | 36 | 23 | 0 | | | |
| 24 | | | | | 10 | 23 | 32 | 22 | 0 | | | |
| 25 | | | | | 10 | 24 | 32 | 14 | 0 | | | |
| 26 | | | | | 10 | 26 | 29 | 12 | 0 | | | |
| 27 | | | | | 9.5 | 26 | 24 | 8.8 | 0 | | | |
| 28 | | | | | 9.5 | 26 | 24 | 8.8 | 0 | | | |
| 29 | | ------ | | | 9.5 | 26 | 24 | 18 | 0 | | | |
| 30 | | ------ | | | 9.5 | 26 | 24 | 38 | 0 | | | |
| 31 | | ------ | | ------ | 11 | ------ | 24 | 36 | ------ | | ------ | |
| TOTAL | | | | | 245.0 | 692 | 855 | 485.8 | 168.2 | | | |
| MEAN | | | | | 7.90 | 23.1 | 27.6 | 15.7 | 5.61 | | | |
| MAX | | | | | 23 | 32 | 40 | 38 | 38 | | | |
| MIN | | | | | 0 | 13 | 22 | 5.8 | 0 | | | |
| AC-FT | | | | | 486 | 1,370 | 1,700 | 964 | 334 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL ABOVE DROP TO SMITH CREEK NUMBER 41K 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 0 | 8.3 | 35 | .25 | | | |
| 2 | | | | | 1.2 | 0 | 10 | 39 | .25 | | | |
| 3 | | | | | 1.9 | 0 | 10 | 39 | .25 | | | |
| 4 | | | | | .25 | 0 | 10 | 39 | .25 | | | |
| 5 | | | | | 0 | 0 | 10 | 41 | .25 | | | |
| 6 | | | | | 0 | 0 | 10 | 41 | .25 | | | |
| 7 | | | | | 0 | 0 | 8.3 | 41 | .25 | | | |
| 8 | | | | | 1.3 | 0 | 7.5 | 41 | .25 | | | |
| 9 | | | | | 6.8 | 0 | 7.5 | 41 | .25 | | | |
| 10 | | | | | 8.3 | 0 | 6.8 | 41 | 0 | | | |
| 11 | | | | | 12 | 0 | 2.5 | 30 | 0 | | | |
| 12 | | | | | 23 | 0 | 5.3 | 20 | 0 | | | |
| 13 | | | | | 22 | 0 | 13 | 11 | 0 | | | |
| 14 | | | | | 13 | 0 | 13 | 0 | 11 | | | |
| 15 | | | | | 1.3 | 5.3 | 10 | 0 | 7.5 | | | |
| 16 | | | | | 1.3 | 4.5 | .25 | 1.9 | 0 | | | |
| 17 | | | | | 2.5 | 3.1 | 0 | 1.9 | 0 | | | |
| 18 | | | | | 1.4 | 2.5 | 13 | 1.9 | 0 | | | |
| 19 | | | | | 0 | .25 | 14 | 1.3 | 0 | | | |
| 20 | | | | | 0 | .75 | 9.3 | 0 | 0 | | | |
| 21 | | | | | 0 | 1.3 | 5.3 | 0 | 0 | | | |
| 22 | | | | | 0 | 1.3 | 5.3 | 0 | 0 | | | |
| 23 | | | | | 0 | .75 | 13 | 0 | 0 | | | |
| 24 | | | | | 0 | 1.3 | 33 | 0 | 0 | | | |
| 25 | | | | | 0 | 2.5 | 32 | .25 | 0 | | | |
| 26 | | | | | 0 | 4.5 | 32 | .25 | 0 | | | |
| 27 | | | | | 0 | 7.5 | 33 | .25 | 0 | | | |
| 28 | | | | | 0 | 7.5 | 37 | .25 | 0 | | | |
| 29 | | ------ | | | 0 | 7.5 | 39 | .25 | 0 | | | |
| 30 | | ------ | | | 0 | 7.5 | 39 | .25 | 0 | | | |
| 31 | | ------ | | ------ | 0 | ------ | 35 | .25 | ------ | | ------ | |
| TOTAL | | | | 0 | 96.25 | 58.05 | 472.35 | 467.75 | 20.75 | | | |
| MEAN | | | | 0 | 3.10 | 1.94 | 15.2 | 15.1 | .69 | | | |
| MAX | | | | 0 | 23 | 7.5 | 39 | 41 | 11 | | | |
| MIN | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 0 | 191 | 115 | 937 | 928 | 41 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL ABOVE DROP TO SMITH CREEK NUMBER 41K 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 3.8 | 1.9 | 19 | | | | |
| 2 | | | | | 0 | 3.8 | 1.9 | 19 | | | | |
| 3 | | | | | 0 | 3.8 | 1.9 | 19 | | | | |
| 4 | | | | | 0 | 3.8 | 1.9 | 20 | | | | |
| 5 | | | | | 0 | 3.1 | 2.5 | 20 | | | | |
| 6 | | | | | 0 | 3.1 | 2.5 | 20 | | | | |
| 7 | | | | | 0 | 1.9 | 2.5 | 20 | | | | |
| 8 | | | | | 0 | .75 | 2.5 | 17 | | | | |
| 9 | | | | | 0 | .75 | 2.5 | 0 | | | | |
| 10 | | | | | 0 | .25 | 2.5 | 11 | | | | |
| 11 | | | | | 0 | .25 | 2.5 | 13 | | | | |
| 12 | | | | | 0 | .25 | 1.9 | 19 | | | | |
| 13 | | | | | 0 | .25 | .75 | 3.1 | | | | |
| 14 | | | | | 0 | .25 | 1.3 | 3.1 | | | | |
| 15 | | | | | 0 | 0 | 3.1 | 1.3 | | | | |
| 16 | | | | | 0 | .25 | 3.1 | 2.5 | | | | |
| 17 | | | | | 0 | .25 | 3.1 | 1.9 | | | | |
| 18 | | | | | 0 | 1.3 | 3.1 | 1.3 | | | | |
| 19 | | | | | 0 | 5.3 | 3.1 | 1.3 | | | | |
| 20 | | | | | 0 | 3.1 | 3.1 | 1.3 | | | | |
| 21 | | | | | 0 | 1.9 | 3.8 | 1.3 | | | | |
| 22 | | | | | 0 | 1.9 | 11 | 1.3 | | | | |
| 23 | | | | | 0 | 2.5 | 11 | 1.9 | | | | |
| 24 | | | | | 0 | 1.9 | 11 | 2.5 | | | | |
| 25 | | | | | 0 | 2.5 | 10 | 2.5 | | | | |
| 26 | | | | | 0 | 2.5 | 9.3 | 2.5 | | | | |
| 27 | | | | | 0 | 1.9 | 9.3 | 2.5 | | | | |
| 28 | | | | | 0 | 1.9 | 12 | 2.5 | | | | |
| 29 | | ------ | | | 0 | 1.9 | 13 | 2.5 | | | | |
| 30 | | ------ | | | .40 | 1.9 | 19 | 2.5 | | | | |
| 31 | | ------ | | ------ | 3.8 | ------ | 19 | 1.3 | ------ | | ------ | |
| TOTAL | | | | | 4.20 | 57.05 | 176.05 | 236.1 | 0 | | | |
| MEAN | | | | | .14 | 1.90 | 5.68 | 7.62 | 0 | | | |
| MAX | | | | | 3.8 | 5.3 | 19 | 20 | 0 | | | |
| MIN | | | | | 0 | 0 | .75 | 0 | 0 | | | |
| AC-FT | | | | | 8.3 | 113 | 349 | 468 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

NILAN EAST CANAL ABOVE DROP TO SMITH CREEK NUMBER 41K 04080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 14 | 18 | 0 | | | |
| 2 | | | | | | 0 | 14 | 19 | 0 | | | |
| 3 | | | | | | 0 | 14 | 20 | 0 | | | |
| 4 | | | | | | 0 | 19 | 20 | .10 | | | |
| 5 | | | | | | 1.3 | 19 | 20 | .75 | | | |
| 6 | | | | | | 5.3 | 19 | 20 | 1.3 | | | |
| 7 | | | | | | 5.3 | 19 | 20 | 1.3 | | | |
| 8 | | | | | | 5.3 | 19 | 20 | 3.8 | | | |
| 9 | | | | | | 5.3 | 19 | 12 | 6.9 | | | |
| 10 | | | | | | 5.3 | 19 | 3.1 | 0 | | | |
| 11 | | | | | | 5.3 | 19 | 1.5 | 4.0 | | | |
| 12 | | | | | | 3.8 | 20 | 0 | 12 | | | |
| 13 | | | | | | 3.1 | 19 | 0 | 12 | | | |
| 14 | | | | | | 1.9 | 19 | 0 | 11 | | | |
| 15 | | | | | | 1.9 | 20 | 0 | 11 | | | |
| 16 | | | | | | 1.9 | 20 | 0 | 11 | | | |
| 17 | | | | | | 1.9 | 20 | 0 | 11 | | | |
| 18 | | | | | | 1.9 | 20 | 0 | 5.6 | | | |
| 19 | | | | | | 1.9 | 20 | 0 | 0 | | | |
| 20 | | | | | | 1.9 | 20 | 0 | 0 | | | |
| 21 | | | | | | 1.9 | 20 | 0 | 0 | | | |
| 22 | | | | | | 1.9 | 20 | 0 | 0 | | | |
| 23 | | | | | | 2.5 | 20 | 0 | 0 | | | |
| 24 | | | | | | 1.9 | 20 | 0 | 0 | | | |
| 25 | | | | | | 1.3 | 20 | 0 | 0 | | | |
| 26 | | | | | | 1.3 | 20 | 0 | 0 | | | |
| 27 | | | | | | 6.0 | 20 | 0 | 0 | | | |
| 28 | | | | | | 13 | 20 | 0 | 0 | | | |
| 29 | | | | | | 14 | 20 | 0 | 0 | | | |
| 30 | | ------ | | | | 14 | 20 | 0 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 18 | 0 | ------ | | ------ | |
| TOTAL | | | | 0 | 0 | 111.1 | 590 | 173.6 | 91.75 | | | |
| MEAN | | | | 0 | 0 | 3.70 | 19.0 | 5.60 | 3.06 | | | |
| MAX | | | | 0 | 0 | 14 | 20 | 20 | 12 | | | |
| MIN | | | | 0 | 0 | 0 | 14 | 0 | 0 | | | |
| AC-FT | | | | 0 | 0 | 220 | 1,170 | 344 | 182 | | | |

41K 05000 Florence Canal Below Headgate near Augusta, MT

LOCATION -- Lat 47° 26' 36", long 112° 29' 28" in SE¼ NE¼ SE¼ Sec. 33, T. 20 N., R. 7 W., Lewis and Clark County, on the left bank 0.1 mi (0.2 km) below headgate, which is at river mile 3.2 (5.1 km) upstream from the mouth of Smith Creek, 6 mi (10 km) southwest of Augusta.

DRAINAGE AREA -- Above canal headgate 46.5 sq. mi (120.4 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,275 ft (1,303 m) from topography map.

AVERAGE DISCHARGE -- 1968 to 1976 - 3,290 AF/season (4.1 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 43 $ft^3/s$ (1.22 $m^3/s$), August 3 and 4, 1969. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of extreme moss growth and checking of canal at Goss turnout.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

FLORENCE CANAL BELOW HEAD GATE NUMBER 41K 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 37 | 6.8 | 17 | 3.3 | | | |
| 2 | | | | | .75 | 37 | 6.8 | 18 | 3.3 | | | |
| 3 | | | | | 2.0 | 37 | 5.3 | 18 | 3.3 | | | |
| 4 | | | | | 2.6 | 37 | 5.3 | 18 | 3.3 | | | |
| 5 | | | | | 3.9 | 37 | 5.3 | 17 | 3.3 | | | |
| 6 | | | | | 4.5 | 38 | 4.5 | 17 | 2.6 | | | |
| 7 | | | | | 4.5 | 30 | 3.3 | 17 | 2.6 | | | |
| 8 | | | | | 4.5 | 34 | 3.3 | 17 | 2.6 | | | |
| 9 | | | | | 3.9 | 23 | 4.5 | 17 | 2.6 | | | |
| 10 | | | | | 7.5 | 13 | 7.5 | 17 | 2.6 | | | |
| 11 | | | | | 13 | 8.4 | 7.5 | 17 | 2.6 | | | |
| 12 | | | | | 13 | 8.4 | 16 | 16 | 2.6 | | | |
| 13 | | | | | 14 | 7.5 | 18 | 16 | 2.6 | | | |
| 14 | | | | | 3.9 | 7.5 | 16 | 17 | 2.0 | | | |
| 15 | | | | | 1.5 | 6.0 | 7.5 | 12 | 2.0 | | | |
| 16 | | | | | 1.0 | 5.3 | 7.5 | 4.5 | 3.3 | | | |
| 17 | | | | | 1.0 | 5.3 | 8.4 | .50 | 3.3 | | | |
| 18 | | | | | 1.0 | 5.3 | 19 | 2.0 | 3.3 | | | |
| 19 | | | | | 1.0 | 5.3 | 32 | 3.3 | 3.3 | | | |
| 20 | | | | | 8.4 | 5.3 | 32 | 1.0 | 3.3 | | | |
| 21 | | | | | 16 | 6.0 | 32 | 1.5 | 3.3 | | | |
| 22 | | | | | 9.3 | 6.0 | 32 | 1.5 | 3.3 | | | |
| 23 | | | | | 9.3 | 6.0 | 32 | 2.6 | 3.3 | | | |
| 24 | | | | | 16 | 6.0 | 32 | 3.9 | 3.3 | | | |
| 25 | | | | | 16 | 6.0 | 32 | 3.9 | 3.3 | | | |
| 26 | | | | | 16 | 6.8 | 32 | 3.9 | 2.6 | | | |
| 27 | | | | | 16 | 7.5 | 32 | 3.9 | 2.0 | | | |
| 28 | | | | | 12 | 8.4 | 32 | 3.9 | 1.0 | | | |
| 29 | | | | | 29 | 6.8 | 13 | 3.9 | 1.0 | | | |
| 30 | | ------ | | | 35 | 6.8 | 16 | 3.3 | 1.0 | | | |
| 31 | | ------ | | ------ | 35 | ------ | 16 | 3.3 | ------ | | ------ | |
| TOTAL | | | | | 301.55 | 453.6 | 517.5 | 297.90 | 81.9 | | | |
| MEAN | | | | | 9.73 | 15.1 | 16.7 | 9.61 | 2.73 | | | |
| MAX | | | | | 35 | 38 | 32 | 18 | 3.3 | | | |
| MIN | | | | | 0 | 5.3 | 3.3 | .50 | 1.0 | | | |
| AC-FT | | | | | 598 | 900 | 1,030 | 591 | 162 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

FLORENCE CANAL BELOW HEAD GATE NUMBER 41K 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 8.5 | 2.0 | 7.0 | 6.4 | | | |
| 2 | | | | | | .50 | 2.0 | 6.4 | 5.8 | | | |
| 3 | | | | | | .50 | 2.0 | 43 | 5.1 | | | |
| 4 | | | | | | 1.5 | 2.0 | 43 | 5.1 | | | |
| 5 | | | | | | 4.0 | 2.0 | 38 | 5.1 | | | |
| 6 | | | | | | 12 | 2.0 | 38 | 5.1 | | | |
| 7 | | | | | | 33 | 2.5 | 38 | 5.1 | | | |
| 8 | | | | | | 30 | 2.5 | 36 | 4.5 | | | |
| 9 | | | | | | 35 | 2.5 | 36 | 4.5 | | | |
| 10 | | | | | | 35 | 2.5 | 36 | 4.5 | | | |
| 11 | | | | | | 33 | 2.5 | 38 | 4.5 | | | |
| 12 | | | | | | 32 | 2.5 | 41 | 4.5 | | | |
| 13 | | | | | | 32 | 2.5 | 39 | 4.0 | | | |
| 14 | | | | | | 32 | 2.5 | 33 | 3.0 | | | |
| 15 | | | | | | 7.8 | 2.5 | 33 | 4.0 | | | |
| 16 | | | | | | 14 | 7.8 | 33 | 7.0 | | | |
| 17 | | | | | | 14 | 17 | 33 | 7.8 | | | |
| 18 | | | | | | 14 | 11 | 33 | 7.8 | | | |
| 19 | | | | | | 14 | 11 | 26 | 7.8 | | | |
| 20 | | | | | | 14 | 11 | 17 | 7.8 | | | |
| 21 | | | | | | 14 | 7.8 | 13 | 7.8 | | | |
| 22 | | | | | | 14 | 3.0 | 7.8 | 7.8 | | | |
| 23 | | | | | | 12 | 3.0 | 7.8 | 7.8 | | | |
| 24 | | | | | | 11 | 3.0 | 6.4 | 3.0 | | | |
| 25 | | | | | | 11 | 3.0 | 5.8 | 3.0 | | | |
| 26 | | | | | | 5.8 | 3.0 | 7.8 | 3.0 | | | |
| 27 | | | | | | 2.5 | 3.0 | 8.5 | 3.0 | | | |
| 28 | | | | | | 2.5 | 4.0 | 8.5 | 3.0 | | | |
| 29 | | ------ | | | | 2.0 | 7.0 | 10 | 3.0 | | | |
| 30 | | ------ | | | | 2.0 | 7.0 | 9.3 | 2.5 | | | |
| 31 | | ------ | | ------ | | ------ | 7.0 | 6.4 | ------ | | ------ | |
| TOTAL | | | | | | 443.60 | 143.1 | 738.7 | 153.3 | | | |
| MEAN | | | | | | 14.8 | 4.62 | 23.8 | 5.11 | | | |
| MAX | | | | | | 35 | 17 | 43 | 7.8 | | | |
| MIN | | | | | | .50 | 2.0 | 5.8 | 2.5 | | | |
| AC-FT | | | | | | 880 | 284 | 1,470 | 304 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

FLORENCE CANAL BELOW HEAD GATE NUMBER 41K 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | 0 | 33 | | | |
| 2 | | | | | | | | 0 | 33 | | | |
| 3 | | | | | | | | 0 | 33 | | | |
| 4 | | | | | | | | 0 | 33 | | | |
| 5 | | | | | | | | 0 | 33 | | | |
| 6 | | | | | | | | 12 | 33 | | | |
| 7 | | | | | | | | 29 | 33 | | | |
| 8 | | | | | | | | 21 | 27 | | | |
| 9 | | | | | | | | 16 | 17 | | | |
| 10 | | | | | | | | 16 | 17 | | | |
| 11 | | | | | | | | 16 | 16 | | | |
| 12 | | | | | | | | 16 | 16 | | | |
| 13 | | | | | | | | 16 | 17 | | | |
| 14 | | | | | | | | 16 | 17 | | | |
| 15 | | | | | | | | 16 | 12 | | | |
| 16 | | | | | | | | 16 | 3.5 | | | |
| 17 | | | | | | | | 16 | 7.8 | | | |
| 18 | | | | | | | | 18 | 7.8 | | | |
| 19 | | | | | | | | 24 | 7.8 | | | |
| 20 | | | | | | | | 24 | 7.8 | | | |
| 21 | | | | | | | | 24 | 7.8 | | | |
| 22 | | | | | | | | 24 | 7.8 | | | |
| 23 | | | | | | | | 22 | 7.0 | | | |
| 24 | | | | | | | | 19 | 7.0 | | | |
| 25 | | | | | | | | 15 | 7.0 | | | |
| 26 | | | | | | | | 15 | 7.8 | | | |
| 27 | | | | | | | | 18 | 7.8 | | | |
| 28 | | | | | | | | 19 | 7.8 | | | |
| 29 | | ------ | | | | | | 19 | 7.8 | | | |
| 30 | | ------ | | | | | | 21 | 7.8 | | | |
| 31 | | ------ | | ------ | | ------ | | 33 | ------ | | ------ | |
| TOTAL | | | | | | | | 501 | 480.3 | | | |
| MEAN | | | | | | | | 16.2 | 16.0 | | | |
| MAX | | | | | | | | 33 | 33 | | | |
| MIN | | | | | | | | 0 | 3.5 | | | |
| AC-FT | | | | | | | | 994 | 953 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

FLORENCE CANAL BELOW HEAD GATE NUMBER 41K 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 6.4 | 4.0 | 21 | 20 | | | |
| 2 | | | | | | 5.8 | 4.0 | 21 | 20 | | | |
| 3 | | | | | | 5.8 | 4.0 | 14 | 20 | | | |
| 4 | | | | | | 5.8 | 4.0 | 18 | 20 | | | |
| 5 | | | | | | 4.5 | 7.0 | 19 | 15 | | | |
| 6 | | | | | | 4.0 | 9.2 | 19 | 10 | | | |
| 7 | | | | | | 4.0 | 9.2 | 21 | 10 | | | |
| 8 | | | | | | 3.5 | 5.8 | 24 | 8.5 | | | |
| 9 | | | | | | 3.5 | 1.5 | 22 | 6.4 | | | |
| 10 | | | | | | 3.5 | 1.5 | 22 | 6.4 | | | |
| 11 | | | | | | 3.5 | 1.5 | 22 | 6.4 | | | |
| 12 | | | | | | 3.5 | 1.5 | 22 | 6.4 | | | |
| 13 | | | | | | 4.0 | 1.5 | 26 | 13 | | | |
| 14 | | | | | | 5.1 | 1.5 | 30 | 20 | | | |
| 15 | | | | | | 21 | 2.0 | 30 | 15 | | | |
| 16 | | | | | | 21 | 2.0 | 30 | 5.1 | | | |
| 17 | | | | | | 9.2 | 12 | 30 | 5.1 | | | |
| 18 | | | | | | 3.5 | 24 | 33 | 5.1 | | | |
| 19 | | | | | | 3.5 | 24 | 28 | 4.0 | | | |
| 20 | | | | | | 4.0 | 25 | 25 | 4.0 | | | |
| 21 | | | | | | 4.0 | 25 | 24 | 4.0 | | | |
| 22 | | | | | | 5.8 | 25 | 24 | 4.0 | | | |
| 23 | | | | | | 14 | 25 | 24 | 4.0 | | | |
| 24 | | | | | | 14 | 25 | 22 | 0 | | | |
| 25 | | | | | | 8.5 | 25 | 21 | 0 | | | |
| 26 | | | | | | 4.0 | 25 | 21 | 0 | | | |
| 27 | | | | | | 4.0 | 25 | 24 | 0 | | | |
| 28 | | | | | | 4.0 | 25 | 33 | 0 | | | |
| 29 | | ------ | | | | 4.0 | 24 | 33 | 0 | | | |
| 30 | | ------ | | | | 4.0 | 21 | 32 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 21 | 21 | ------ | | ------ | |
| TOTAL | | | | | | 191.4 | 411.2 | 756 | 232.4 | | | |
| MEAN | | | | | | 6.38 | 13.3 | 24.4 | 7.75 | | | |
| MAX | | | | | | 21 | 25 | 33 | 20 | | | |
| MIN | | | | | | 3.5 | 1.5 | 14 | 0 | | | |
| AC-FT | | | | | | 380 | 816 | 1,500 | 461 | | | |

MONTANA OERT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

FLORENCE CANAL 8ELOW HEAO GATE NUM8ER 41K 05000

OISCHARGE, IN CU8IC FEET PER SECONO, CALENOAR YEAR 1972

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SER | OC7 | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 6.4 | 18 | 27 | 16 | 10 | | | |
| 2 | | | | 0 | 12 | 19 | 27 | 17 | 12 | | | |
| 3 | | | | 0 | 24 | 17 | 27 | 12 | 12 | | | |
| 4 | | | | 0 | 24 | 20 | 29 | 7.8 | 12 | | | |
| 5 | | | | 0 | 24 | 17 | 29 | 7.0 | 11 | | | |
| 6 | | | | 0 | 13 | 17 | 30 | 7.0 | 11 | | | |
| 7 | | | | 0 | 7.8 | 17 | 30 | 7.0 | 11 | | | |
| 8 | | | | 0 | 7.8 | 17 | 30 | 7.0 | 10 | | | |
| 9 | | | | 0 | 4.2 | 17 | 30 | 7.0 | 9.3 | | | |
| 10 | | | | 0 | 0 | 17 | 33 | 6.4 | 9.3 | | | |
| 11 | | | | 0 | 0 | 17 | 33 | 6.4 | 7.8 | | | |
| 12 | | | | 0 | 0 | 17 | 32 | 6.4 | 5.8 | | | |
| 13 | | | | 0 | 0 | 17 | 32 | 6.4 | 4.5 | | | |
| 14 | | | | 0 | 0 | 18 | 32 | 6.4 | 3.0 | | | |
| 15 | | | | 0 | 0 | 20 | 32 | 6.4 | 3.0 | | | |
| 16 | | | | 0 | 0 | 20 | 33 | 6.4 | 2.5 | | | |
| 17 | | | | 0 | 0 | 26 | 32 | 6.4 | 3.0 | | | |
| 18 | | | | 0 | 0 | 33 | 32 | 6.4 | 9.3 | | | |
| 19 | | | | 0 | 0 | 33 | 19 | 6.4 | 9.3 | | | |
| 20 | | | | 0 | 0 | 26 | 12 | 7.0 | 10 | | | |
| 21 | | | | 0 | 0 | 20 | 12 | 7.0 | 10 | | | |
| 22 | | | | 0 | 0 | 27 | 12 | 7.0 | 10 | | | |
| 23 | | | | 0 | 0 | 38 | 12 | 7.0 | 10 | | | |
| 24 | | | | 0 | 0 | 39 | 11 | 7.0 | 9.3 | | | |
| 25 | | | | 0 | 0 | 38 | 11 | 7.0 | 7.8 | | | |
| 26 | | | | 0 | 0 | 25 | 11 | 7.0 | 5.1 | | | |
| 27 | | | | 0 | 0 | 19 | 11 | 7.0 | 3.5 | | | |
| 28 | | | | 4.3 | 0 | 20 | 11 | 7.0 | 3.5 | | | |
| 29 | | | | 6.4 | 0 | 20 | 11 | 7.0 | 3.0 | | | |
| 30 | | ------ | | 6.4 | 4.0 | 22 | 11 | 7.0 | 5.1 | | | |
| 31 | | ------ | | ------ | 17 | ------ | 16 | 7.0 | ------ | | ------ | |
| TOTAL | | | | 17.1 | 144.2 | 671 | 710 | 235.8 | 233.1 | | | |
| MEAN | | | | .57 | 4.65 | 22.4 | 22.9 | 7.61 | 7.77 | | | |
| MAX | | | | 6.4 | 24 | 39 | 33 | 17 | 12 | | | |
| MIN | | | | 0 | 0 | 17 | 11 | 6.4 | 2.5 | | | |
| AC-FT | | | | 34 | 286 | 1,330 | 1,410 | 468 | 462 | | | |

MONTANA OER7 OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES OIVISION

FLORENCE CANAL 8ELOW HEAO GATE NUM8ER 41K 05000

OISCHARGE, IN CU8IC FEET PER SECONO, CALENOAR YEAR 1973

| OAY | JAN | FE8 | MAR | ARR | MAY | JUN | JUL | AUG | SEP | OC7 | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 2.0 | 16 | 18 | 4.0 | 33 | | | |
| 2 | | | | 0 | 2.5 | 21 | 17 | 4.0 | 33 | | | |
| 3 | | | | 0 | 2.5 | 25 | 18 | 4.0 | 33 | | | |
| 4 | | | | 0 | 2.5 | 25 | 26 | 4.0 | 24 | | | |
| 5 | | | | 0 | 2.5 | 24 | 27 | 4.0 | 7.8 | | | |
| 6 | | | | 0 | 3.0 | 21 | 27 | 4.0 | 7.8 | | | |
| 7 | | | | 0 | 4.5 | 20 | 26 | 4.0 | 4.0 | | | |
| 8 | | | | 0 | 7.8 | 20 | 26 | 4.5 | 1.0 | | | |
| 9 | | | | 0 | 7.8 | 19 | 26 | 4.5 | 0 | | | |
| 10 | | | | 0 | 7.8 | 22 | 19 | 5.1 | 0 | | | |
| 11 | | | | 0 | 7.8 | 27 | 15 | 5.1 | 0 | | | |
| 12 | | | | 0 | 10 | 26 | 15 | 7.0 | 0 | | | |
| 13 | | | | 0 | 12 | 26 | 13 | 9.3 | 0 | | | |
| 14 | | | | 0 | 12 | 27 | 10 | 9.3 | 0 | | | |
| 15 | | | | 0 | 22 | 27 | 10 | 9.3 | 0 | | | |
| 16 | | | | 0 | 30 | 29 | 10 | 10 | 0 | | | |
| 17 | | | | 0 | 32 | 30 | 10 | 3.5 | 0 | | | |
| 18 | | | | 0 | 32 | 32 | 10 | 4.5 | 0 | | | |
| 19 | | | | 0 | 32 | 35 | 10 | 5.8 | 0 | | | |
| 20 | | | | 0 | 32 | 38 | 10 | 17 | 0 | | | |
| 21 | | | | 0 | 30 | 38 | 14 | 17 | 0 | | | |
| 22 | | | | 0 | 19 | 36 | 15 | 18 | 0 | | | |
| 23 | | | | .50 | 8.5 | 33 | 15 | 18 | 0 | | | |
| 24 | | | | 2.0 | 8.5 | 33 | 12 | 17 | 0 | | | |
| 25 | | | | 1.5 | 8.5 | 32 | 7.8 | 1.0 | 0 | | | |
| 26 | | | | 1.5 | 8.5 | 26 | 3.5 | .50 | 0 | | | |
| 27 | | | | 1.0 | 8.5 | 20 | 0 | 1.0 | 0 | | | |
| 28 | | | | 2.0 | 8.5 | 19 | 0 | .50 | 0 | | | |
| 29 | | ------ | | 2.0 | 7.8 | 19 | 2.0 | 7.0 | 0 | | | |
| 30 | | ------ | | 2.0 | 8.5 | 19 | 3.5 | 33 | 0 | | | |
| 31 | | ------ | | ------ | 12 | ------ | 3.5 | 33 | ------ | | ------ | |
| TOTAL | | | | 12.50 | 393.0 | 785 | 419.3 | 268.90 | 143.6 | | | |
| MEAN | | | | .42 | 12.7 | 26.2 | 13.5 | 8.67 | 4.79 | | | |
| MAX | | | | 2.0 | 32 | 38 | 27 | 33 | 33 | | | |
| MIN | | | | 0 | 2.0 | 16 | 0 | .50 | 0 | | | |
| AC-FT | | | | 25 | 780 | 1,560 | 832 | 533 | 285 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

FLORENCE CANAL BELOW HEAD GATE NUMBER 41K 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 8.5 | 14 | 20 | 0 | 0 | 3.0 | | |
| 2 | | | | | 4.0 | 14 | 22 | 0 | 0 | 2.5 | | |
| 3 | | | | | 4.0 | 14 | 22 | 0 | 0 | 2.5 | | |
| 4 | | | | | 4.0 | 14 | 22 | 0 | 0 | 2.5 | | |
| 5 | | | | | 4.0 | 14 | 22 | 0 | 0 | 2.5 | | |
| 6 | | | | | 4.0 | 14 | 22 | 4.2 | 0 | 2.5 | | |
| 7 | | | | | 4.0 | 19 | 22 | 7.7 | 0 | 2.5 | | |
| 8 | | | | | 10 | 33 | 22 | 7.7 | 0 | 2.5 | | |
| 9 | | | | | 20 | 31 | 22 | 7.7 | 0 | 2.5 | | |
| 10 | | | | | 20 | 30 | 22 | 7.7 | 0 | 2.5 | | |
| 11 | | | | | 20 | 29 | 22 | 11 | 0 | 2.5 | | |
| 12 | | | | | 11 | 30 | 26 | 13 | 0 | 2.5 | | |
| 13 | | | | | 5.7 | 29 | 29 | 13 | 0 | 2.5 | | |
| 14 | | | | | 5.7 | 16 | 25 | 12 | 2.1 | 2.5 | | |
| 15 | | | | | 7.0 | 2.5 | 22 | 11 | 5.1 | 3.0 | | |
| 16 | | | | | 7.0 | 8.5 | 8.5 | 0 | 5.1 | 2.5 | | |
| 17 | | | | | 7.0 | 8.5 | 10 | 0 | 5.1 | 2.5 | | |
| 18 | | | | | 9.3 | 9.3 | 16 | 0 | 5.1 | 2.5 | | |
| 19 | | | | | 8.5 | 9.3 | 21 | 0 | 5.1 | 4.5 | | |
| 20 | | | | | 9.3 | 9.3 | 17 | 0 | 5.1 | 7.0 | | |
| 21 | | | | | 9.3 | 10 | 11 | 0 | 2.1 | 7.0 | | |
| 22 | | | | | 6.4 | 9.3 | 11 | 0 | 0 | 7.0 | | |
| 23 | | | | | 8.5 | 10 | 13 | 0 | 4.9 | 7.0 | | |
| 24 | | | | | 9.3 | 10 | 22 | 0 | 13 | 7.0 | | |
| 25 | | | | | 10 | 10 | 26 | 0 | 13 | 7.0 | | |
| 26 | | | | | 10 | 14 | 23 | 0 | 14 | 7.0 | | |
| 27 | | | | | 14 | 19 | 14 | 0 | 14 | 7.0 | | |
| 28 | | | | | 19 | 19 | 9.3 | 0 | 14 | 7.0 | | |
| 29 | | ------ | | | 18 | 19 | 11 | 0 | 14 | 7.0 | | |
| 30 | | ------ | | | 18 | 19 | 14 | 0 | 7.7 | 7.0 | | |
| 31 | | ------ | | ------ | 16 | ------ | 8.1 | 0 | ------ | 7.0 | ------ | |
| TOTAL | | | | | 311.5 | 487.7 | 576.9 | 95.0 | 129.4 | 134.5 | | |
| MEAN | | | | | 10.0 | 16.3 | 18.6 | 3.06 | 4.31 | 4.34 | | |
| MAX | | | | | 20 | 33 | 29 | 13 | 14 | 7.0 | | |
| MIN | | | | | 4.0 | 2.5 | 8.1 | 0 | 0 | 2.5 | | |
| AC-FT | | | | | 618 | 967 | 1,140 | 188 | 257 | 267 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

FLORENCE CANAL BELOW HEAD GATE NUMBER 41K 05000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 17 | 15 | 11 | | | |
| 2 | | | | | | 0 | 10 | 14 | 9.3 | | | |
| 3 | | | | | | 0 | 10 | 13 | 7.3 | | | |
| 4 | | | | | | 1.4 | 10 | 12 | 7.3 | | | |
| 5 | | | | | | 18 | 9.3 | 12 | 7.3 | | | |
| 6 | | | | | | 18 | 9.3 | 12 | 7.3 | | | |
| 7 | | | | | | 35 | 9.3 | 11 | 7.3 | | | |
| 8 | | | | | | 36 | 9.3 | 10 | 7.3 | | | |
| 9 | | | | | | 28 | 8.5 | 7.9 | 7.9 | | | |
| 10 | | | | | | 28 | 8.5 | 16 | 7.9 | | | |
| 11 | | | | | | 31 | 8.5 | 28 | 7.9 | | | |
| 12 | | | | | | 41 | 11 | 26 | 7.9 | | | |
| 13 | | | | | | 41 | 16 | 23 | 7.3 | | | |
| 14 | | | | | | 41 | 17 | 24 | 7.3 | | | |
| 15 | | | | | | 41 | 18 | 24 | 7.3 | | | |
| 16 | | | | | | 41 | 18 | 24 | 7.3 | | | |
| 17 | | | | | | 41 | 17 | 21 | 12 | | | |
| 18 | | | | | | 42 | 17 | 14 | 18 | | | |
| 19 | | | | | | 13 | 16 | 15 | 9.3 | | | |
| 20 | | | | | | 0 | 15 | 15 | 4.0 | | | |
| 21 | | | | | | 0 | 15 | 5.4 | 0 | | | |
| 22 | | | | | | 0 | 16 | 6.0 | 0 | | | |
| 23 | | | | | | 4.8 | 16 | 15 | 0 | | | |
| 24 | | | | | | 1.6 | 15 | 16 | 0 | | | |
| 25 | | | | | | 1.6 | 15 | 16 | 0 | | | |
| 26 | | | | | | 1.0 | 14 | 14 | 0 | | | |
| 27 | | | | | | 1.0 | 14 | 12 | 0 | | | |
| 28 | | | | | | 12 | 14 | 11 | 0 | | | |
| 29 | | ------ | | | | 21 | 14 | 11 | 0 | | | |
| 30 | | ------ | | | | 20 | 15 | 11 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 17 | 11 | ------ | | ------ | |
| TOTAL | | | | | 0 | 559.4 | 419.7 | 465.3 | 168.2 | | | |
| MEAN | | | | | 0 | 18.6 | 13.5 | 15.0 | 5.61 | | | |
| MAX | | | | | 0 | 42 | 18 | 28 | 18 | | | |
| MIN | | | | | 0 | 0 | 8.5 | 5.4 | 0 | | | |
| AC-FT | | | | | 0 | 1,110 | 832 | 923 | 334 | | | |

MONTANA DERT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

FLORENCE CANAL 8ELOW HEAO GATE NUMBER 41K 05000

OISCHARGE, IN CUBIC FEET PER SECONO, CALENOAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 36 | 27 | | | | |
| 2 | | | | | | 0 | 35 | 28 | | | | |
| 3 | | | | | | 0 | 35 | 27 | | | | |
| 4 | | | | | | 0 | 36 | 28 | | | | |
| 5 | | | | | | 12 | 35 | 27 | | | | |
| 6 | | | | | | 26 | 33 | 26 | | | | |
| 7 | | | | | | 25 | 33 | 27 | | | | |
| 8 | | | | | | 28 | 33 | 26 | | | | |
| 9 | | | | | | 29 | 33 | 13 | | | | |
| 10 | | | | | | 29 | 32 | 0 | | | | |
| 11 | | | | | | 31 | 32 | 0 | | | | |
| 12 | | | | | | 28 | 33 | 0 | | | | |
| 13 | | | | | | 27 | 33 | 0 | | | | |
| 14 | | | | | | 25 | 29 | 0 | | | | |
| 15 | | | | | | 24 | 29 | 0 | | | | |
| 16 | | | | | | 23 | 31 | 0 | | | | |
| 17 | | | | | | 27 | 31 | 0 | | | | |
| 18 | | | | | | 26 | 31 | 0 | | | | |
| 19 | | | | | | 25 | 32 | 0 | | | | |
| 20 | | | | | | 24 | 29 | 0 | | | | |
| 21 | | | | | | 23 | 29 | 0 | | | | |
| 22 | | | | | | 23 | 28 | 0 | | | | |
| 23 | | | | | | 22 | 28 | 0 | | | | |
| 24 | | | | | | 22 | 27 | 0 | | | | |
| 25 | | | | | | 23 | 27 | 0 | | | | |
| 26 | | | | | | 21 | 26 | 0 | | | | |
| 27 | | | | | | 22 | 25 | 0 | | | | |
| 28 | | | | | | 27 | 25 | 0 | | | | |
| 29 | | | | | | 38 | 25 | 0 | | | | |
| 30 | | ------ | | | | 38 | 23 | 0 | | | | |
| 31 | | ------ | | ------ | | ------ | 26 | 0 | ------ | | ------ | |
| TOTAL | | | | 0 | 0 | 668 | 940 | 229 | 0 | | | |
| MEAN | | | | 0 | 0 | 22.3 | 30.3 | 7.39 | 0 | | | |
| MAX | | | | 0 | 0 | 38 | 36 | 28 | 0 | | | |
| MIN | | | | 0 | 0 | 0 | 23 | 0 | 0 | | | |
| AC-FT | | | | 0 | 0 | 1,320 | 1,860 | 454 | 0 | | | |

41Q 02000 Galena Creek at Hughesville, MT

LOCATION -- Lat 47° 05' 03", long 110° 27' 50" in SE¼ Sec. 6, T. 15 N., R. 9 E., Judith Basin County, on right bank 1000 ft ( 300 m) downstream from Green Creek 500 ft (150 m) north of Block P Mine at Hughesville, 10 mi (16 km) east of Monarch.

DRAINAGE AREA -- 1.4 sq. mi (3.6 sq. km).

GAGE -- Water stage recorder on 3 ft (0.91 m) Cipolletti Weir. Altitude of gage is 5960 ft (1817 m) from topography map.

AVERAGE DISCHARGE -- 1974 to 1976 - 552 AF/season (0.68 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 12.4 $ft^3/s$ (0.35 $m^3/s$), May 9, 1976. Minimum discharge, 0.11 $ft^3/s$ (0.003 $m^3/s$), July and August 1975.

REMARKS -- Records good. Station installed in 1974.

MONTANA OEPARTMENT OF NATURAL RESOURCES ANO CONSERVATION ------ WATER RESOURCES OIVISION

GALENA CREEK AT HUGHESVILLE, MONTANA NUMBER---41Q 02000

OISCHARGE, IN CU8IC METERS PER SECONO, CALENOAR YEAR 1974

| OAY | JAN | FE8 | MAR | APR | MAY | JUN . | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | .009 | .086 | | .036 | .017 | .025 | .017 | | |
| 2 | | | | .009 | .086 | | .036 | .017 | .025 | .017 | | |
| 3 | | | | .009 | .086 | | .036 | .017 | .025 | .017 | | |
| 4 | | | | .009 | .086 | | .025 | .017 | .025 | .017 | | |
| 5 | | | | .009 | .086 | | .025 | .009 | .025 | .017 | | |
| 6 | | | | .009 | .10 | | .025 | .017 | .017 | .017 | | |
| 7 | | | | .009 | .10 | | .047 | .017 | .017 | .017 | | |
| 8 | | | | .009 | .10 | | .036 | .059 | .017 | .017 | | |
| 9 | | | | .009 | .086 | | .025 | .047 | .017 | .009 | | |
| 10 | | | | .009 | .086 | | .036 | .047 | .025 | .009 | | |
| 11 | | | | .017 | .072 | | .036 | .036 | .025 | .009 | | |
| 12 | | | | .017 | .072 | | .025 | .036 | .025 | .009 | | |
| 13 | | | | .017 | .10 | | .025 | .047 | .025 | .009 | | |
| 14 | | | | .017 | .072 | | .025 | .072 | .025 | .009 | | |
| 15 | | | | .017 | .059 | | .025 | .059 | .025 | .009 | | |
| 16 | | | | .017 | .059 | | .025 | .059 | .025 | .009 | | |
| 17 | | | | .025 | .047 | | .017 | .047 | .025 | .009 | | |
| 18 | | | | .036 | .047 | | .025 | .036 | .017 | .009 | | |
| 19 | | | | .059 | .047 | | .025 | .059 | .017 | .009 | | |
| 20 | | | | .072 | .047 | | .025 | .072 | .017 | .009 | | |
| 21 | | | | .059 | .10 | | .017 | .072 | .017 | .009 | | |
| 22 | | | | .059 | .086 | | .017 | .072 | .017 | .009 | | |
| 23 | | | | .086 | .059 | | .017 | .059 | .017 | .009 | | |
| 24 | | | | .15 | .086 | | .017 | .047 | .017 | .009 | | |
| 25 | | | | .21 | .17 | | .017 | .047 | .017 | .009 | | |
| 26 | | | | .22 | | | .017 | .036 | .017 | .009 | | |
| 27 | | | | .19 | | | .017 | .025 | .017 | .009 | | |
| 28 | | | | .13 | | | .017 | .025 | .017 | .009 | | |
| 29 | | | | .086 | | | .017 | .025 | .017 | .009 | | |
| 30 | | | | .086 | | | .017 | .025 | .017 | .009 | | |
| 31 | | | | | | | .017 | .025 | | .009 | | |
| TOTAL | | | | 1.660 | | | .767 | 1.245 | .614 | .343 | | |
| MEAN | | | | .055 | | | .025 | .040 | .020 | .011 | | |
| MAX | | | | .22 | | | .047 | .072 | .025 | .017 | | |
| MIN | | | | .009 | | | .017 | .009 | .017 | .009 | | |
| | | | | 143000M | | | 66300M | 108000M | 53100M | 26900M | | |

M = CU8IC METERS
H = CU8IC HECTOMETERS
K = CU8IC KILOMETERS

MONTANA OEPARTMENT OF NATURAL RESOURCES ANO CONSERVATION ------ WATER RESOURCES OIVISION

GALENA CREEK AT HUGHESVILLE, MONTANA NUMBER---410 02000

OISCHARGE, IN CU8IC METERS PER SECONO, CALENOAR YEAR 1975

| OAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | .086 | .009 | .017 | .017 | | |
| 2 | | | | | | | .086 | .003 | .017 | .017 | | |
| 3 | | | | | | | .072 | .003 | .009 | .017 | | |
| 4 | | | | | | | .072 | .003 | .009 | .017 | | |
| 5 | | | | | | | .059 | .003 | .009 | .017 | | |
| 6 | | | | | | | .059 | .003 | .009 | .017 | | |
| 7 | | | | | | | .059 | .003 | .009 | .017 | | |
| 8 | | | | | | | .047 | .003 | .009 | .017 | | |
| 9 | | | | | | | .047 | .003 | .009 | .017 | | |
| 10 | | | | | | | .036 | .003 | .009 | .017 | | |
| 11 | | | | | | | .036 | .003 | .009 | .017 | | |
| 12 | | | | | | | .025 | .003 | .009 | .017 | | |
| 13 | | | | | | | .025 | .009 | .009 | .025 | | |
| 14 | | | | | | | .025 | .009 | .009 | .017 | | |
| 15 | | | | | | | .025 | .009 | .009 | .017 | | |
| 16 | | | | | | | .017 | .009 | .017 | .017 | | |
| 17 | | | | | | | .025 | .009 | .017 | .025 | | |
| 18 | | | | | | | .017 | .009 | .017 | .025 | | |
| 19 | | | | | | | .017 | .009 | .017 | .025 | | |
| 20 | | | | | | | .009 | .017 | .017 | .025 | | |
| 21 | | | | | | | .009 | .017 | .017 | .025 | | |
| 22 | | | | | | | .009 | .009 | .017 | .025 | | |
| 23 | | | | | | | .009 | .009 | .017 | .025 | | |
| 24 | | | | | | | .009 | .025 | .017 | .025 | | |
| 25 | | | | | | | .009 | .017 | .017 | .017 | | |
| 26 | | | | | | | .009 | .017 | .025 | .017 | | |
| 27 | | | | | | | .009 | .017 | .017 | .017 | | |
| 28 | | | | | | | .003 | .009 | .017 | .017 | | |
| 29 | | | | | | | .003 | .009 | .017 | .017 | | |
| 30 | | | | | | | .009 | .009 | .017 | .017 | | |
| 31 | | | | | | | .017 | .009 | | .017 | | |
| TOTAL | | | | | | | .939 | .269 | .414 | .599 | | |
| MEAN | | | | | | | .030 | .009 | .014 | .019 | | |
| MAX | | | | | | | .086 | .025 | .025 | .025 | | |
| MIN | | | | | | | .003 | .003 | .009 | .017 | | |
| | | | | | | | 81100M | 23200M | 35800M | 51800M | | |

M = CU8IC METERS
H = CU8IC HECTOMETERS
K = CU8IC KILOMETERS

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

GALENA CREEK AT HUGHESVILLE, MONTANA NUMBER---41Q 02000

DISCHARGE, IN CUBIC METERS PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | .010 | .040 | .064 | .091 | .023 | .015 | .008 | | |
| 2 | | | | .012 | .064 | .064 | .083 | .020 | .015 | .008 | | |
| 3 | | | | .013 | .11 | .059 | .076 | .018 | .013 | .008 | | |
| 4 | | | | .015 | .18 | .056 | .068 | .018 | .013 | .008 | | |
| 5 | | | | .026 | .22 | .054 | .065 | .016 | .013 | .008 | | |
| 6 | | | | .052 | .21 | .054 | .062 | .016 | .013 | .008 | | |
| 7 | | | | .081 | .23 | .051 | .059 | .016 | .013 | .008 | | |
| 8 | | | | .098 | .30 | .049 | .065 | .016 | .011 | .010 | | |
| 9 | | | | .11 | .35 | .046 | .054 | .016 | .011 | .010 | | |
| 10 | | | | .11 | .33 | .044 | .051 | .016 | .010 | .008 | | |
| 11 | | | | .11 | .29 | .042 | .048 | .016 | .010 | .008 | | |
| 12 | | | | .11 | .24 | .042 | .054 | .016 | .011 | .008 | | |
| 13 | | | | .11 | .22 | .042 | .051 | .016 | .010 | .008 | | |
| 14 | | | | .089 | .22 | .056 | .048 | .016 | .010 | .008 | | |
| 15 | | | | .072 | .21 | .056 | .037 | .016 | .010 | .008 | | |
| 16 | | | | .059 | .19 | .094 | .028 | .016 | .010 | .008 | | |
| 17 | | | | .052 | .17 | .31 | .030 | .016 | .010 | .008 | | |
| 18 | | | | .042 | .16 | .30 | .030 | .016 | .013 | .008 | | |
| 19 | | | | .038 | .15 | .24 | .030 | .016 | .011 | .008 | | |
| 20 | | | | .034 | .14 | .21 | .029 | .016 | .011 | .008 | | |
| 21 | | | | .032 | .13 | .19 | .027 | .015 | .011 | .008 | | |
| 22 | | | | .030 | .12 | .24 | .025 | .015 | .010 | .008 | | |
| 23 | | | | .028 | .12 | .31 | .025 | .018 | .010 | .008 | | |
| 24 | | | | .030 | .11 | .31 | .025 | .016 | .011 | .008 | | |
| 25 | | | | .028 | .10 | .27 | .023 | .016 | .011 | .008 | | |
| 26 | | | | .067 | .091 | .22 | .023 | .016 | .011 | .008 | | |
| 27 | | | | .075 | .083 | .18 | .023 | .016 | .010 | .008 | | |
| 28 | | | | .054 | .083 | .16 | .020 | .015 | .010 | .008 | | |
| 29 | | | | .032 | .077 | .12 | .020 | .015 | .010 | .008 | | |
| 30 | | | | .030 | .072 | .11 | .020 | .015 | .008 | .008 | | |
| 31 | | | | | .066 | | .023 | .015 | | .008 | | |
| TOTAL | | | | 1.649 | 5.076 | 4.043 | 1.313 | .507 | .335 | .252 | | |
| MEAN | | | | .055 | .164 | .135 | .042 | .016 | .011 | .008 | | |
| MAX | | | | .11 | .35 | .31 | .091 | .023 | .015 | .010 | | |
| MIN | | | | .010 | .040 | .042 | .020 | .015 | .008 | .008 | | |
| | | | | 143000M | 439000M | 349000M | 113000M | 43800M | 28900M | 21800M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

41Q 02500 Block P Mine Seep at Hughesville, MT

LOCATION -- Lat 47° 05' 00", long 110° 37' 50", in SE¼ Sec. 6, T. 15 N., R. 9 E., Judith Basin County, behind the Block P Mine building at Hughesville, and 10 mi (16 km) east of Monarch.

DRAINAGE AREA -- 1000 sq. ft (93 sq. m).

GAGE -- Water stage recorder on a 3 in. (0.08 m) Parshall flume. Altitude of gage is 5950 ft (1814 m) from topographic map.

AVERAGE DISCHARGE -- 1974 to 1976 - 1.62 AF/season (0.02 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 0.48 $ft^3/s$ (13.7 l/s), May 9 and 10, 1976. Minimum discharge, no flow at times.

REMARKS -- Records good.

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

BLOCK P MINE SEEP AT HUGHESVILLE, MONTANA NUMBER---41Q 02500

DISCHARGE, IN LITERS PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | 1.19 | 1.33 | .57 | | |
| 2 | | | | | | | | 1.05 | 1.33 | .45 | | |
| 3 | | | | | | | | 1.05 | 1.19 | .45 | | |
| 4 | | | | | | | | 1.05 | 1.19 | .45 | | |
| 5 | | | | | | | | 1.05 | 1.19 | .37 | | |
| 6 | | | | | | | | 1.05 | 1.19 | .37 | | |
| 7 | | | | | | | | 1.05 | 1.05 | .37 | | |
| 8 | | | | | | | | 1.33 | 1.05 | .37 | | |
| 9 | | | | | | | | 1.19 | 1.05 | .37 | | |
| 10 | | | | | | | | 1.05 | 1.05 | .37 | | |
| 11 | | | | | | | | .93 | 1.05 | .28 | | |
| 12 | | | | | | | | 1.05 | 1.05 | .37 | | |
| 13 | | | | | | | | 1.50 | .93 | .28 | | |
| 14 | | | | | | | | 1.33 | .93 | .28 | | |
| 15 | | | | | | | | 1.19 | .93 | .28 | | |
| 16 | | | | | | | | 1.19 | .93 | .28 | | |
| 17 | | | | | | | | 1.05 | .79 | .20 | | |
| 18 | | | | | | | | 1.05 | .79 | .20 | | |
| 19 | | | | | | | | 1.19 | .79 | .20 | | |
| 20 | | | | | | | | 1.19 | .79 | .20 | | |
| 21 | | | | | | | | 1.33 | .68 | .20 | | |
| 22 | | | | | | | | 1.50 | .68 | .20 | | |
| 23 | | | | | | | | 1.50 | .68 | .20 | | |
| 24 | | | | | | | | 1.50 | .68 | .20 | | |
| 25 | | | | | | | | 1.50 | .68 | .20 | | |
| 26 | | | | | | | | 1.50 | .57 | .20 | | |
| 27 | | | | | | | | 1.33 | .57 | .20 | | |
| 28 | | | | | | | | 1.33 | .57 | .11 | | |
| 29 | | | | | | | | 1.33 | .57 | .057 | | |
| 30 | | | | | | | | 1.33 | .57 | .057 | | |
| 31 | | | | | | | | 1.33 | | .11 | | |
| TOTAL | | | | | | | | 38.21 | 26.85 | 8.444 | | |
| MEAN | | | | | | | | 1.233 | .895 | .272 | | |
| MAX | | | | | | | | 1.50 | 1.33 | .57 | | |
| MIN | | | | | | | | .93 | .57 | .057 | | |
| | | | | | | | | 3300M | 2320M | 730M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

BLOCK P MINE SEEP AT HUGHESVILLE, MONTANA NUMBER---41Q 02500

DISCHARGE, IN LITERS RER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 11.1 | 1.81 | .94 | .34 | | |
| 2 | | | | | | | 11.1 | 1.81 | .94 | .28 | | |
| 3 | | | | | | | 8.47 | 1.81 | .79 | .28 | | |
| 4 | | | | | | | 7.36 | 1.81 | .79 | .28 | | |
| 5 | | | | | | | 6.54 | 1.81 | .79 | .28 | | |
| 6 | | | | | | | 5.81 | 1.64 | .79 | .28 | | |
| 7 | | | | | | | 5.07 | 1.81 | .68 | .28 | | |
| 8 | | | | | | | 4.59 | 1.64 | .68 | .34 | | |
| 9 | | | | | | | 4.36 | 1.64 | .68 | .28 | | |
| 10 | | | | | | | 3.91 | 1.50 | .57 | .28 | | |
| 11 | | | | | | | 3.71 | 1.50 | .57 | .28 | | |
| 12 | | | | | | | 3.51 | 1.50 | .57 | .28 | | |
| 13 | | | | | | | 3.31 | 1.50 | .57 | .28 | | |
| 14 | | | | | | | 3.09 | 1.50 | .57 | .20 | | |
| 15 | | | | | | | 3.09 | 1.33 | .45 | .28 | | |
| 16 | | | | | | | 2.89 | 1.33 | .45 | .20 | | |
| 17 | | | | | | | 2.89 | 1.33 | .68 | .28 | | |
| 18 | | | | | | | 2.89 | 1.33 | .57 | .28 | | |
| 19 | | | | | | | 2.69 | 1.19 | .57 | .28 | | |
| 20 | | | | | | | 2.69 | 1.19 | .57 | .20 | | |
| 21 | | | | | | | 2.52 | 1.05 | .57 | .28 | | |
| 22 | | | | | | | 2.52 | 1.05 | .57 | .20 | | |
| 23 | | | | | | | 2.32 | 1.05 | .45 | .20 | | |
| 24 | | | | | | | 2.32 | 1.19 | .45 | .20 | | |
| 25 | | | | | | | 2.32 | 1.19 | .45 | .11 | | |
| 26 | | | | | | | 2.15 | 1.05 | .45 | .20 | | |
| 27 | | | | | | | 2.15 | 1.05 | .45 | .11 | | |
| 28 | | | | | | | 2.15 | .94 | .34 | .11 | | |
| 29 | | | | | | | 1.98 | .94 | .34 | .057 | | |
| 30 | | | | | | | 1.98 | .94 | .34 | .057 | | |
| 31 | | | | | | | 1.98 | .94 | | .057 | | |
| TOTAL | | | | | | | 123.46 | 42.37 | 17.63 | 7.061 | | |
| MEAN | | | | | | | 3.983 | 1.367 | .588 | .228 | | |
| MAX | | | | | | | 11.1 | 1.81 | .94 | .34 | | |
| MIN | | | | | | | 1.98 | .94 | .34 | .057 | | |
| | | | | | | | 10700M | 3660M | 1520M | 610M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

BLOCK P MINE SEEP AT HUGHESVILLE, MONTANA NUMBER---41Q 02500

DISCHARGE, IN LITERS PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0. | 1.64 | 2.69 | 5.29 | 1.64 | .37 | 0. | | |
| 2 | | | | 0. | 2.32 | 2.69 | 4.81 | 1.50 | .28 | 0. | | |
| 3 | | | | 0. | 3.51 | 2.52 | 4.59 | 1.50 | .28 | 0. | | |
| 4 | | | | 0. | 5.07 | 2.32 | 4.36 | 1.50 | .28 | 0. | | |
| 5 | | | | .032 | 8.18 | 2.32 | 4.13 | 1.50 | .28 | 0. | | |
| 6 | | | | .057 | 10.8 | 2.32 | 3.71 | 1.33 | .20 | 0. | | |
| 7 | | | | .11 | 12.7 | 2.15 | 3.71 | 1.33 | .20 | 0. | | |
| 8 | | | | .28 | 13.1 | 2.15 | 3.51 | 1.33 | .28 | 0. | | |
| 9 | | | | .37 | 13.7 | 2.15 | 3.51 | 1.33 | .37 | 0. | | |
| 10 | | | | .68 | 13.7 | 1.98 | 3.31 | 1.19 | .28 | 0. | | |
| 11 | | | | 1.33 | 13.1 | 1.98 | 3.31 | 1.19 | .28 | 0. | | |
| 12 | | | | 2.32 | 12.1 | 1.98 | 3.09 | 1.19 | .28 | 0. | | |
| 13 | | | | 3.71 | 10.8 | 1.98 | 3.09 | 1.05 | .20 | 0. | | |
| 14 | | | | 3.71 | 9.60 | 1.98 | 2.89 | .93 | .20 | 0. | | |
| 15 | | | | 3.31 | 9.03 | 1.98 | 2.89 | .93 | .20 | 0. | | |
| 16 | | | | 3.09 | 8.47 | 2.32 | 2.68 | .93 | .20 | 0. | | |
| 17 | | | | 2.52 | 7.61 | 5.55 | 2.68 | .80 | .20 | 0. | | |
| 18 | | | | 2.32 | 7.08 | 9.03 | 2.52 | .80 | .20 | 0. | | |
| 19 | | | | 1.98 | 6.54 | 8.75 | 2.52 | .80 | .20 | 0. | | |
| 20 | | | | 1.81 | 6.03 | 7.90 | 2.32 | .68 | .20 | 0. | | |
| 21 | | | | 1.64 | 5.55 | 7.08 | 2.32 | .68 | .20 | 0. | | |
| 22 | | | | 1.64 | 5.07 | 7.36 | 2.15 | .68 | .20 | 0. | | |
| 23 | | | | 1.33 | 4.59 | 10.8 | 2.15 | .80 | .11 | 0. | | |
| 24 | | | | 1.33 | 4.36 | 11.8 | 1.98 | .57 | .11 | 0. | | |
| 25 | | | | 1.19 | 3.91 | 11.8 | 1.98 | .57 | .11 | 0. | | |
| 26 | | | | 1.19 | 3.71 | 10.2 | 1.98 | .45 | .11 | 0. | | |
| 27 | | | | 1.33 | 3.51 | 8.75 | 1.98 | .45 | .11 | 0. | | |
| 28 | | | | 2.15 | 3.31 | 7.62 | 1.81 | .45 | .11 | 0. | | |
| 29 | | | | 2.15 | 3.09 | 6.54 | 1.81 | .45 | 0. | 0. | | |
| 30 | | | | 1.64 | 3.09 | 6.03 | 1.81 | .37 | 0. | 0. | | |
| 31 | | | | | 2.89 | | 1.64 | .37 | | 0. | | |
| TOTAL | | | | 43.219 | 218.16 | 154.72 | 90.53 | 29.29 | 6.04 | 0. | | |
| MEAN | | | | 1.441 | 7.037 | 5.157 | 2.920 | .945 | .201 | 0. | | |
| MAX | | | | 3.71 | 13.7 | 11.8 | 5.29 | 1.64 | .37 | 0. | | |
| MIN | | | | 0. | 1.64 | 1.98 | 1.64 | .37 | 0. | 0. | | |
| | | | | 3730M | 18800M | 13400M | 7820M | 2530M | 523M | | 0M | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

41Q 03000 Liberty Mine Seep near Hughesville, MT

LOCATION -- Lat 47° 04' 40", long 110° 38' 00", in NW¼ Sec. 7, T. 15 N., R. 9 E., Judith Basin County, 400 ft (120 m) upstream from mouth, 3000 ft (915 m) south of Block P Mine at Hughesville, 10 mi (16 km) east of Monarch.

DRAINAGE AREA -- 0.02 sq. mi (0.05 sq. km).

GAGE -- Water stage recorder on 3 in. (0.08 m) Parshall flume. Altitude of gage is 6000 ft (1829 m) from topographic map.

AVERAGE DISCHARGE -- 1974 to 1976 - 2.45 AF/season (0.003 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 0.34 $ft^3/s$ (9.60 l/s) June 24, 1976. Minimum discharge, 0.0007 $ft^3/s$ (0.02 l/s), August, September, and October 1976.

REMARKS -- Records good.

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

LIBERTY MINE SEEP NR HUGHESVILLE, MONTANA NUMBER---41Q 03000

DISCHARGE, IN LITERS PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | .28 | .11 | .79 | .11 | | |
| 2 | | | | | | | .28 | .11 | .68 | .11 | | |
| 3 | | | | | | | .28 | .20 | .68 | .11 | | |
| 4 | | | | | | | .28 | .11 | .68 | .11 | | |
| 5 | | | | | | | .37 | .11 | .68 | .57 | | |
| 6 | | | | | | | 1.50 | .20 | .68 | .28 | | |
| 7 | | | | | | | 1.50 | .20 | .68 | .11 | | |
| 8 | | | | | | | .28 | .45 | .68 | .057 | | |
| 9 | | | | | | | .20 | .45 | .79 | .057 | | |
| 10 | | | | | | | .11 | .28 | 1.05 | .057 | | |
| 11 | | | | | | | .057 | .28 | .68 | .057 | | |
| 12 | | | | | | | .20 | | .45 | .057 | | |
| 13 | | | | | | | .20 | | .45 | .057 | | |
| 14 | | | | | | | .20 | | .45 | .057 | | |
| 15 | | | | | | | .28 | | .45 | .057 | | |
| 16 | | | | | | | .20 | | .37 | .057 | | |
| 17 | | | | | | | .20 | | .37 | .057 | | |
| 18 | | | | | | | .28 | | .37 | .057 | | |
| 19 | | | | | | | .11 | | .37 | .057 | | |
| 20 | | | | | | | .11 | | .28 | .057 | | |
| 21 | | | | | | | .28 | | .28 | .028 | | |
| 22 | | | | | | | .20 | | .28 | .057 | | |
| 23 | | | | | | | .11 | | .28 | .057 | | |
| 24 | | | | | | | .20 | | .28 | .028 | | |
| 25 | | | | | | | .20 | | .20 | .057 | | |
| 26 | | | | | | | .20 | .79 | .20 | .057 | | |
| 27 | | | | | | | .20 | .79 | .20 | .057 | | |
| 28 | | | | | | | .20 | .79 | .20 | .028 | | |
| 29 | | | | | | | .20 | .79 | .20 | .028 | | |
| 30 | | | | | | | .11 | .79 | .11 | .057 | | |
| 31 | | | | | | | .11 | .68 | | .057 | | |
| TOTAL | | | | | | | 8.927 | | 13.86 | 2.652 | | |
| MEAN | | | | | | | .288 | | .462 | .086 | | |
| MAX | | | | | | | 1.50 | | 1.05 | .57 | | |
| MIN | | | | | | | .057 | | .11 | .028 | | |
| | | | | | | | 771M | | 1200M | 229M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

LIBERTY MINE SEEP NR HUGHESVILLE, MONTANA NUMBER---41Q 03000

DISCHARGE, IN LITERS PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 1.81 | .057 | .20 | .11 | | |
| 2 | | | | | | | 1.50 | .057 | .11 | .11 | | |
| 3 | | | | | | | 1.33 | .057 | .11 | .11 | | |
| 4 | | | | | | | 1.19 | .057 | .11 | .11 | | |
| 5 | | | | | | | 1.05 | .057 | .11 | .057 | | |
| 6 | | | | | | | .93 | .057 | .11 | .057 | | |
| 7 | | | | | | | .93 | .057 | .11 | .057 | | |
| 8 | | | | | | | .79 | .028 | .11 | .28 | | |
| 9 | | | | | | | .79 | .028 | .11 | .057 | | |
| 10 | | | | | | | .79 | .028 | .11 | .11 | | |
| 11 | | | | | | | .79 | .028 | .11 | .11 | | |
| 12 | | | | | | | .79 | .028 | .11 | .057 | | |
| 13 | | | | | | | .93 | .057 | .11 | .11 | | |
| 14 | | | | | | | .93 | .028 | .11 | .057 | | |
| 15 | | | | | | | .79 | .057 | .11 | .057 | | |
| 16 | | | | | | | .93 | .057 | .11 | .057 | | |
| 17 | | | | | | | .93 | .11 | .28 | .11 | | |
| 18 | | | | | | | .37 | .11 | .20 | .057 | | |
| 19 | | | | | | | .28 | .11 | .20 | .057 | | |
| 20 | | | | | | | .28 | .11 | .11 | .057 | | |
| 21 | | | | | | | .28 | .11 | .11 | .057 | | |
| 22 | | | | | | | .20 | .11 | .11 | .057 | | |
| 23 | | | | | | | .20 | .20 | .11 | .057 | | |
| 24 | | | | | | | .20 | .37 | .11 | .057 | | |
| 25 | | | | | | | .11 | .20 | .11 | .028 | | |
| 26 | | | | | | | .11 | .20 | .11 | .028 | | |
| 27 | | | | | | | .11 | .20 | .11 | .057 | | |
| 28 | | | | | | | .11 | .11 | .11 | .057 | | |
| 29 | | | | | | | .11 | .11 | .11 | .057 | | |
| 30 | | | | | | | .057 | .11 | .11 | .057 | | |
| 31 | | | | | | | .11 | .11 | | .057 | | |
| TOTAL | | | | | | | 19.727 | 3.008 | 3.740 | 2.356 | | |
| MEAN | | | | | | | .636 | .097 | .125 | .076 | | |
| MAX | | | | | | | 1.81 | .37 | .28 | .28 | | |
| MIN | | | | | | | .057 | .028 | .11 | .028 | | |
| | | | | | | | 1700M | 260M | 323M | 204M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

LIBERTY MINE SEEP NR HUGHESVILLE, MONTANA NUMBER---410 03000

DISCHARGE, IN LITERS PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | .37 | 1.33 | .057 | .019 | .019 | | |
| 2 | | | | | | .37 | 1.05 | .032 | .019 | .019 | | |
| 3 | | | | | | .37 | .93 | .032 | .019 | .019 | | |
| 4 | | | | | | .37 | .80 | .032 | .019 | .019 | | |
| 5 | | | | | | .37 | .68 | .032 | .019 | .019 | | |
| 6 | | | | | | .37 | .57 | .032 | .019 | .032 | | |
| 7 | | | | | | .37 | .57 | .057 | .019 | .032 | | |
| 8 | | | | | | .37 | .45 | .057 | .019 | .032 | | |
| 9 | | | | | | .28 | .37 | .032 | .019 | .032 | | |
| 10 | | | | | | .28 | .28 | .057 | .019 | .032 | | |
| 11 | | | | | | .28 | .20 | .032 | .019 | .032 | | |
| 12 | | | | | | .28 | .68 | .032 | .019 | .032 | | |
| 13 | | | | | | .37 | .45 | .057 | .019 | .032 | | |
| 14 | | | | | | .45 | .20 | .057 | .019 | .032 | | |
| 15 | | | | | | .37 | .11 | .057 | .019 | .032 | | |
| 16 | | | | | | .57 | .11 | .032 | .019 | .032 | | |
| 17 | | | | | | 1.33 | .11 | .032 | .032 | .032 | | |
| 18 | | | | | | 2.89 | .20 | .032 | .032 | .032 | | |
| 19 | | | | | | 4.13 | .11 | .032 | .019 | .032 | | |
| 20 | | | | | | 3.71 | .11 | .032 | .019 | .032 | | |
| 21 | | | | | | 2.89 | .057 | .032 | .019 | .057 | | |
| 22 | | | | | | 3.09 | .057 | .032 | .019 | .057 | | |
| 23 | | | | | | 5.55 | .057 | .057 | .019 | .057 | | |
| 24 | | | | | | 9.60 | .057 | .032 | .019 | .057 | | |
| 25 | | | | | | 8.18 | .057 | .032 | .019 | .057 | | |
| 26 | | | | | | 5.55 | .057 | .032 | .019 | .057 | | |
| 27 | | | | | | 3.51 | .032 | .019 | .019 | .057 | | |
| 28 | | | | | | 2.32 | .032 | .019 | .019 | .057 | | |
| 29 | | | | | | 1.98 | .032 | .019 | .019 | .057 | | |
| 30 | | | | | | 1.64 | .057 | .019 | .019 | .057 | | |
| 31 | | | | | | | .032 | .019 | | .057 | | |
| TOTAL | | | | | | 62.21 | 9.837 | 1.127 | .596 | 1.202 | | |
| MEAN | | | | | | 2.074 | .317 | .036 | .020 | .039 | | |
| MAX | | | | | | 9.60 | 1.33 | .057 | .032 | .057 | | |
| MIN | | | | | | .28 | .032 | .019 | .019 | .019 | | |
| | | | | | | 5380M | 850M | 97M | 51M | 104M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

41Q 03500 Silver Creek near Hughesville, MT

LOCATION -- Lat 47° 04' 43", long 110° 38' 10", in NW¼ Sec. 7, T. 15 N., R. 9 E., Judith Basin County, on left bank 1000 ft (300 m) upstream from mouth 3000 ft (915 m) south of Block P Mine at Hughesville, 10 mi ( 16 km) east of Monarch.

DRAINAGE AREA -- 0.36 sq. mi (0.93 sq. km).

GAGE -- Water stage recorder on 3 in. (0.08 m) Parshall flume. Altitude of gage is 5880 ft (1792 km) from topographic map.

AVERAGE DISCHARGE -- 1974 to 1976 - 89 AF/season (0.11 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 3.30 $ft^3/s$ (93. l/s), May 9, 1976. Minimum discharge 0.01 $ft^3/s$ (0.28 l/s), September 5, 1976.

REMARKS -- Records good.

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

SILVER CREEK NR HUGHESVILLE, MONTANA NUMBER---41Q 03500

DISCHARGE, IN LITERS PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | .93 | 18.4 | | 6.54 | | 4.36 | 1.05 | | |
| 2 | | | | 1.05 | 21.1 | | 6.54 | | 4.36 | .93 | | |
| 3 | | | | 1.05 | 21.1 | | 6.54 | | 4.36 | .93 | | |
| 4 | | | | 1.05 | 21.1 | | 6.54 | | 4.36 | .93 | | |
| 5 | | | | 1.33 | 21.1 | | 6.54 | | 4.36 | 2.89 | | |
| 6 | | | | 1.33 | 23.5 | | 6.83 | | 4.36 | 3.91 | | |
| 7 | | | | 1.33 | 23.5 | | 5.55 | | 4.36 | .93 | | |
| 8 | | | | 1.64 | 28.1 | | 4.81 | | 4.36 | .79 | | |
| 9 | | | | 2.52 | 32.1 | | 3.09 | | 4.36 | .79 | | |
| 10 | | | | 3.71 | 28.1 | | 4.36 | | 4.59 | .79 | | |
| 11 | | | | 3.91 | 23.5 | | 4.36 | | 4.36 | .93 | | |
| 12 | | | | 3.71 | 19.9 | | 3.31 | | 4.13 | .79 | | |
| 13 | | | | 3.31 | 14.4 | | 3.31 | | 3.71 | .93 | | |
| 14 | | | | 3.09 | 12.7 | | 3.31 | | 3.51 | .79 | | |
| 15 | | | | 3.51 | 9.60 | | 3.09 | | 3.09 | .79 | | |
| 16 | | | | 5.07 | 8.18 | | 3.09 | | 2.69 | .79 | | |
| 17 | | | | 6.29 | 6.83 | | 3.09 | | 2.52 | .79 | | |
| 18 | | | | 10.5 | 6.03 | | 3.91 | | 2.32 | .79 | | |
| 19 | | | | 14.1 | 5.07 | | 4.59 | | 2.15 | .79 | | |
| 20 | | | | 12.7 | 3.51 | | 4.59 | | 2.32 | .68 | | |
| 21 | | | | 9.60 | 5.55 | | 4.59 | | 1.81 | .93 | | |
| 22 | | | | 11.1 | 8.18 | | 4.59 | | 1.81 | 1.05 | | |
| 23 | | | | 17.3 | 11.1 | | 4.59 | | 1.64 | 1.33 | | |
| 24 | | | | 21.1 | 16.2 | | 4.59 | | 1.50 | 1.19 | | |
| 25 | | | | 22.7 | 23.5 | | 4.59 | | 1.50 | 1.05 | | |
| 26 | | | | 27.2 | 23.9 | | 4.59 | | 1.33 | .93 | | |
| 27 | | | | 27.7 | 23.9 | | 4.36 | | 1.19 | .93 | | |
| 28 | | | | 22.7 | 23.9 | | 4.36 | | 1.19 | .79 | | |
| 29 | | | | 19.5 | 23.1 | | 4.36 | | 1.05 | .79 | | |
| 30 | | | | 17.3 | 22.7 | | 4.36 | | 1.05 | .79 | | |
| 31 | | | | | 21.5 | | 4.36 | | | 1.19 | | |
| TOTAL | | | | 278.33 | 551.348 | | 143.33 | | 88.70 | 32.98 | | |
| MEAN | | | | 9.278 | 17.785 | | 4.624 | | 2.957 | 1.064 | | |
| MAX | | | | 27.7 | 32.1 | | 6.83 | | 4.59 | 3.91 | | |
| MIN | | | | .93 | 3.51 | | 3.09 | | 1.05 | .68 | | |
| | | | | 24000M | 47600M | | 12400M | | 7660M | 2850M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

SILVER CREEK NR HUGHESVILLE, MONTANA NUMBER---41Q 03500

DISCHARGE, IN LITERS PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 19.1 | 1.81 | 1.81 | 1.05 | | |
| 2 | | | | | | | 15.8 | 1.50 | 1.81 | .91 | | |
| 3 | | | | | | | 13.7 | 1.33 | 1.19 | .91 | | |
| 4 | | | | | | | 12.1 | 1.33 | 1.05 | .79 | | |
| 5 | | | | | | | 9.91 | 1.19 | .93 | .79 | | |
| 6 | | | | | | | 8.18 | 1.19 | .93 | .79 | | |
| 7 | | | | | | | 7.90 | 2.15 | .79 | .91 | | |
| 8 | | | | | | | 6.83 | 1.33 | .79 | 1.19 | | |
| 9 | | | | | | | 5.55 | 1.19 | .79 | 1.33 | | |
| 10 | | | | | | | 5.07 | 1.05 | .79 | 1.64 | | |
| 11 | | | | | | | 5.07 | .93 | .79 | 1.64 | | |
| 12 | | | | | | | 4.81 | .93 | .79 | 1.47 | | |
| 13 | | | | | | | 4.59 | 1.19 | .68 | 1.33 | | |
| 14 | | | | | | | 3.91 | 1.33 | .57 | 1.47 | | |
| 15 | | | | | | | 3.91 | 1.05 | .68 | 1.81 | | |
| 16 | | | | | | | 3.71 | .93 | .68 | 1.64 | | |
| 17 | | | | | | | 3.71 | 1.19 | 2.49 | 2.32 | | |
| 18 | | | | | | | 3.09 | 1.33 | 1.98 | 2.32 | | |
| 19 | | | | | | | 2.89 | 1.50 | 1.81 | 1.81 | | |
| 20 | | | | | | | 2.52 | 1.98 | 1.98 | 1.64 | | |
| 21 | | | | | | | 2.32 | 1.05 | 1.98 | 1.64 | | |
| 22 | | | | | | | 2.15 | 1.19 | 1.81 | 1.64 | | |
| 23 | | | | | | | 2.15 | 1.33 | 1.47 | 1.47 | | |
| 24 | | | | | | | 1.98 | 3.29 | 1.19 | 1.47 | | |
| 25 | | | | | | | 1.81 | 3.29 | 1.19 | 1.47 | | |
| 26 | | | | | | | 1.81 | 1.98 | 1.81 | 1.47 | | |
| 27 | | | | | | | 1.64 | 1.50 | 1.33 | 1.47 | | |
| 28 | | | | | | | 1.64 | 1.19 | 1.05 | 1.47 | | |
| 29 | | | | | | | 1.81 | 1.19 | 1.19 | 1.47 | | |
| 30 | | | | | | | 1.98 | 1.05 | 1.05 | 1.64 | | |
| 31 | | | | | | | 2.89 | 1.05 | | 1.64 | | |
| TOTAL | | | | | | | 164.53 | 44.54 | 37.40 | 44.61 | | |
| MEAN | | | | | | | 5.307 | 1.437 | 1.247 | 1.439 | | |
| MAX | | | | | | | 19.1 | 3.29 | 2.49 | 2.32 | | |
| MIN | | | | | | | 1.64 | .93 | .57 | .79 | | |
| | | | | | | | 14200M | 3850M | 3230M | 3850M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

SILVER CREEK NR HUGHESVILLE, MONTANA NUMBER---410 03500

DISCHARGE, IN LITERS PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 1.98 | 10.2 | 5.55 | 14.8 | 1.64 | .37 | .37 | | |
| 2 | | | | 2.32 | 14.8 | 5.07 | 12.4 | 1.33 | .37 | .37 | | |
| 3 | | | | 2.52 | 27.2 | 4.59 | 10.5 | 1.05 | .37 | .45 | | |
| 4 | | | | 2.89 | 41.1 | 4.36 | 9.03 | .93 | .37 | .45 | | |
| 5 | | | | 5.29 | 58.3 | 4.13 | 7.90 | .93 | .28 | .45 | | |
| 6 | | | | 8.18 | 55.2 | 3.71 | 7.08 | .79 | .57 | .68 | | |
| 7 | | | | 10.5 | 60.3 | 3.51 | 6.29 | .93 | .57 | .79 | | |
| 8 | | | | 12.7 | 80.2 | 3.09 | 5.55 | .93 | .57 | .93 | | |
| 9 | | | | 15.1 | 93.5 | 2.89 | 5.07 | .79 | .57 | .79 | | |
| 10 | | | | 16.2 | 86.1 | 2.52 | 4.36 | .93 | .45 | .57 | | |
| 11 | | | | 18.7 | 77.3 | 2.15 | 4.36 | .93 | .57 | .57 | | |
| 12 | | | | 25.9 | 61.5 | 1.98 | 6.83 | .79 | .68 | .45 | | |
| 13 | | | | 30.8 | 49.4 | 3.51 | 3.91 | .79 | .57 | .45 | | |
| 14 | | | | 30.8 | 48.3 | 5.30 | 3.31 | .68 | .45 | .45 | | |
| 15 | | | | 29.0 | 44.7 | 5.55 | 2.69 | .68 | .37 | .45 | | |
| 16 | | | | 25.9 | 38.7 | 12.7 | 2.52 | .68 | .37 | .45 | | |
| 17 | | | | 22.7 | 33.5 | 80.6 | 2.32 | .68 | .37 | .45 | | |
| 18 | | | | 19.5 | 29.0 | 49.9 | 2.32 | .68 | .57 | .45 | | |
| 19 | | | | 16.9 | 25.1 | 45.7 | 2.52 | .68 | .79 | .45 | | |
| 20 | | | | 14.4 | 21.4 | 40.2 | 2.15 | .57 | .57 | .45 | | |
| 21 | | | | 12.7 | 18.7 | 33.5 | 1.98 | .57 | .45 | .45 | | |
| 22 | | | | 11.4 | 16.2 | 42.2 | 1.64 | .57 | .45 | .45 | | |
| 23 | | | | 9.60 | 14.1 | 80.6 | 1.64 | 1.50 | .57 | .45 | | |
| 24 | | | | 9.32 | 12.4 | 80.6 | 1.50 | 1.19 | .79 | .45 | | |
| 25 | | | | 8.18 | 11.4 | 70.2 | 1.50 | .68 | 1.19 | .57 | | |
| 26 | | | | 12.7 | 9.60 | 46.8 | 1.33 | .68 | .79 | .45 | | |
| 27 | | | | 19.9 | 8.47 | 36.8 | 1.33 | .57 | .68 | .45 | | |
| 28 | | | | 14.8 | 8.18 | 28.5 | 1.19 | .45 | .45 | .45 | | |
| 29 | | | | 6.28 | 7.36 | 22.3 | 1.19 | .45 | .45 | .45 | | |
| 30 | | | | 8.47 | 6.03 | 18.0 | 1.50 | .45 | .37 | .45 | | |
| 31 | | | | | 5.80 | | 1.19 | .45 | | .45 | | |
| TOTAL | | | | 425.63 | 1074.04 | 746.51 | 131.90 | 24.97 | 15.99 | 15.54 | | |
| MEAN | | | | 14.187 | 34.646 | 24.884 | 4.250 | .810 | .533 | .501 | | |
| MAX | | | | 30.8 | 93.5 | 80.6 | 14.8 | 1.64 | 1.19 | .93 | | |
| MIN | | | | 1.98 | 5.80 | 1.98 | 0. | 0. | .28 | .37 | | |
| | | | | 36800M | 92800M | 64500M | 11400M | 2160M | 1380M | 1340M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

41Q 04000 Galena Creek near Barker, MT

LOCATION -- Lat 47° 03' 50", long 110° 38' 40", in SW¼ Sec. 18, T. 15 N., R. 9 E., Judith Basin County 500 ft (150 m) upstream from Gold Run Creek and 10 mi (16 km) east of Monarch.

DRAINAGE AREA -- 3.5 sq. mi (9.1 sq. km).

GAGE -- Water stage recorder on 3 ft (0.91 m) Cipolletti weir. Altitude of gage is 5515 ft (1680.9 m) from topographic map.

AVERAGE DISCHARGE -- 1976 - 2,050 AF/season (2.53 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 38.8 $ft^3/s$ (1.10 $m^3/s$), May 8, 1976. Minimum discharge 0.35 $ft^3/s$ (0.01 $m^3/s$), November 1976.

REMARKS -- Records good. Station installed in September 1973.

MONTANA OEPARTMENT OF NATURAL RESOURCES ANO CONSERVATION ------ WATER RESOURCES OIVISION

GALENA CREEK NR 8ARKER, MONTANA NUM8ER---410 04000

OISCHARGE, IN CU8IC METERS PER SECONO, CALENOAR YEAR 1973

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | .10 | .025 | | |
| 2 | | | | | | | | | .072 | .025 | | |
| 3 | | | | | | | | | .047 | .025 | | |
| 4 | | | | | | | | | .036 | .025 | | |
| 5 | | | | | | | | | .036 | .025 | | |
| 6 | | | | | | | | | .025 | .025 | | |
| 7 | | | | | | | | | .025 | .025 | | |
| 8 | | | | | | | | | .025 | .025 | | |
| 9 | | | | | | | | | .025 | .025 | | |
| 10 | | | | | | | | | .017 | .025 | | |
| 11 | | | | | | | | | .017 | .025 | | |
| 12 | | | | | | | | | .017 | .025 | | |
| 13 | | | | | | | | | .017 | .025 | | |
| 14 | | | | | | | | | .017 | .025 | | |
| 15 | | | | | | | | | .017 | .025 | | |
| 16 | | | | | | | | | .017 | .025 | | |
| 17 | | | | | | | | | .017 | .025 | | |
| 18 | | | | | | | | | .025 | .025 | | |
| 19 | | | | | | | | | .025 | .025 | | |
| 20 | | | | | | | | | .025 | .025 | | |
| 21 | | | | | | | | | .025 | .025 | | |
| 22 | | | | | | | | | .025 | .025 | | |
| 23 | | | | | | | | | .025 | .025 | | |
| 24 | | | | | | | | | .025 | .025 | | |
| 25 | | | | | | | | | .025 | .025 | | |
| 26 | | | | | | | | | .025 | .025 | | |
| 27 | | | | | | | | | .025 | .025 | | |
| 28 | | | | | | | | | .025 | .025 | | |
| 29 | | | | | | | | | .025 | .025 | | |
| 30 | | | | | | | | | .025 | .025 | | |
| 31 | | | | | | | | | | .025 | | |
| TOTAL | | | | | | | | | .852 | .775 | | |
| MEAN | | | | | | | | | .028 | .025 | | |
| MAX | | | | | | | | | .10 | .025 | | |
| MIN | | | | | | | | | .017 | .025 | | |
| | | | | | | | | | 73600M | 67000M | | |

M = CU8IC METERS
H = CU8IC HECTOMETERS
K = CU8IC KILOMETERS

MONTANA OEPARTMENT OF NATURAL RESOURCES ANO CONSERVATION ------ WATER RESOURCES OIVISION

GALENA CREEK NR 8ARKER, MONTANA NUM8ER---410 04000

OISCHARGE, IN CU8IC METERS PER SECONO, CALENDAR YEAR 1974

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | .072 | .036 | .059 | .036 | | |
| 2 | | | | | | | .072 | .036 | .047 | .025 | | |
| 3 | | | | | | | .072 | .036 | .047 | .025 | | |
| 4 | | | | | | | .059 | .036 | .047 | .025 | | |
| 5 | | | | | | | .059 | .025 | .047 | .025 | | |
| 6 | | | | | | | .059 | .036 | .047 | .025 | | |
| 7 | | | | | | | .086 | .036 | .036 | .025 | | |
| 8 | | | | | | | .072 | .086 | .047 | .025 | | |
| 9 | | | | | | | .059 | .072 | .036 | .025 | | |
| 10 | | | | | | | .072 | .047 | .059 | .025 | | |
| 11 | | | | | | | .072 | .059 | .059 | .025 | | |
| 12 | | | | | | | .059 | .059 | .047 | .025 | | |
| 13 | | | | | | | .059 | .072 | .047 | .025 | | |
| 14 | | | | | | | .059 | .12 | .047 | .025 | | |
| 15 | | | | | | | .059 | .10 | .036 | .017 | | |
| 16 | | | | | | | .059 | .086 | .036 | .017 | | |
| 17 | | | | | | | .047 | .072 | .036 | .017 | | |
| 18 | | | | | | | .059 | .059 | .036 | .017 | | |
| 19 | | | | | | | .059 | .086 | .036 | .017 | | |
| 20 | | | | | | | .047 | .12 | .036 | .017 | | |
| 21 | | | | | | | .047 | .10 | .036 | .025 | | |
| 22 | | | | | | | .047 | .10 | .036 | .025 | | |
| 23 | | | | | | | .047 | .086 | .036 | .025 | | |
| 24 | | | | | | | .047 | .072 | .036 | .025 | | |
| 25 | | | | | | | .036 | .072 | .036 | .025 | | |
| 26 | | | | | | | .036 | .072 | .036 | .025 | | |
| 27 | | | | | | | .036 | .059 | .036 | .025 | | |
| 28 | | | | | | | .036 | .059 | .036 | .025 | | |
| 29 | | | | | | | .036 | .059 | .036 | .025 | | |
| 30 | | | | | | | .036 | .059 | .036 | .017 | | |
| 31 | | | | | | | .036 | .059 | | .017 | | |
| TOTAL | | | | | | | 1.701 | 2.076 | 1.248 | .722 | | |
| MEAN | | | | | | | .055 | .067 | .042 | .023 | | |
| MAX | | | | | | | .086 | .12 | .059 | .036 | | |
| MIN | | | | | | | .036 | .025 | .036 | .017 | | |
| | | | | | | | 147000M | 179000M | 108000M | 62400M | | |

M = CU8IC METERS
H = CU8IC HECTOMETERS
K = CU8IC KILOMETERS

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

GALENA CREEK NR BARKER, MONTANA NUMBER---41Q 04000

DISCHARGE, IN CUBIC METERS PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | .034 | .024 | | |
| 2 | | | | | | | | | .034 | .023 | | |
| 3 | | | | | | | | | .020 | .022 | | |
| 4 | | | | | | | | | .020 | .022 | | |
| 5 | | | | | | | | | .020 | .022 | | |
| 6 | | | | | | | | | .020 | .021 | | |
| 7 | | | | | | | | | .020 | .021 | | |
| 8 | | | | | | | | | .020 | .023 | | |
| 9 | | | | | | | | | .020 | .023 | | |
| 10 | | | | | | | | | .020 | .024 | | |
| 11 | | | | | | | | | .020 | .027 | | |
| 12 | | | | | | | | | .020 | .027 | | |
| 13 | | | | | | | | | .020 | .025 | | |
| 14 | | | | | | | | | .020 | .027 | | |
| 15 | | | | | | | | | .020 | .029 | | |
| 16 | | | | | | | | | .020 | .029 | | |
| 17 | | | | | | | | | .036 | .032 | | |
| 18 | | | | | | | | | .036 | .039 | | |
| 19 | | | | | | | | | .034 | .039 | | |
| 20 | | | | | | | | | .034 | .039 | | |
| 21 | | | | | | | | | .034 | .039 | | |
| 22 | | | | | | | | | .032 | .036 | | |
| 23 | | | | | | | | | .032 | .027 | | |
| 24 | | | | | | | | | .031 | .025 | | |
| 25 | | | | | | | | | .027 | .029 | | |
| 26 | | | | | | | | | .031 | .029 | | |
| 27 | | | | | | | | | .027 | .025 | | |
| 28 | | | | | | | | | .025 | .024 | | |
| 29 | | | | | | | | | .027 | .024 | | |
| 30 | | | | | | | | | .025 | .025 | | |
| 31 | | | | | | | | | . | .024 | | |
| TOTAL | | | | | | | | | .779 | .845 | | |
| MEAN | | | | | | | | | .026 | .027 | | |
| MAX | | | | | | | | | .036 | .039 | | |
| MIN | | | | | | | | | .020 | .021 | | |
| | | | | | | | | | 67300M | 73000M | | |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION ------ WATER RESOURCES DIVISION

GALENA CREEK NR BARKER, MONTANA NUMBER---41Q 04000

DISCHARGE, IN CUBIC METERS PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | .024 | .14 | .12 | .20 | .040 | .020 | .017 | .016 | .016 |
| 2 | | | | .023 | .19 | .11 | .18 | .040 | .019 | .016 | .013 | .016 |
| 3 | | | | .023 | .28 | .099 | .16 | .031 | .019 | .019 | .014 | .016 |
| 4 | | | | .031 | .62 | .099 | .14 | .031 | .018 | .016 | .017 | .016 |
| 5 | | | | .057 | .99 | .099 | .14 | .031 | .018 | .017 | .016 | .016 |
| 6 | | | | .12 | .88 | .091 | .12 | .028 | .020 | .020 | .013 | .016 |
| 7 | | | | .19 | .93 | .085 | .11 | .028 | .020 | .019 | .014 | .016 |
| 8 | | | | .22 | 1.10 | .076 | .13 | .028 | .020 | .020 | .016 | .016 |
| 9 | | | | .23 | .93 | .071 | .11 | .028 | .020 | .020 | .016 | .016 |
| 10 | | | | .23 | .93 | .068 | .091 | .028 | .019 | .017 | .012 | .016 |
| 11 | | | | .23 | .68 | .068 | .079 | .028 | .021 | .017 | .010 | .017 |
| 12 | | | | .24 | .51 | .062 | .11 | .024 | .021 | .017 | .010 | .016 |
| 13 | | | | .22 | .45 | .068 | .091 | .024 | .020 | .017 | .012 | .016 |
| 14 | | | | .20 | .45 | .11 | .076 | .023 | .018 | .016 | .010 | .016 |
| 15 | | | | .19 | .40 | .11 | .071 | .023 | .018 | .016 | .013 | .016 |
| 16 | | | | .18 | .31 | .15 | .062 | .022 | .017 | .014 | .014 | .017 |
| 17 | | | | .16 | .28 | .48 | .059 | .023 | .019 | .014 | .016 | .017 |
| 18 | | | | .14 | .25 | .48 | .059 | .023 | .023 | .017 | .013 | .016 |
| 19 | | | | .12 | .23 | .40 | .059 | .022 | .021 | .013 | .013 | .016 |
| 20 | | | | .11 | .22 | .31 | .057 | .022 | .020 | .016 | .012 | .016 |
| 21 | | | | .099 | .19 | .28 | .051 | .021 | .019 | .014 | .012 | .016 |
| 22 | | | | .099 | .17 | .39 | .045 | .020 | .018 | .016 | .016 | .016 |
| 23 | | | | .099 | .16 | .62 | .040 | .028 | .019 | .016 | .016 | .016 |
| 24 | | | | .099 | .16 | .62 | .040 | .027 | .020 | .016 | .014 | .016 |
| 25 | | | | .093 | .16 | .54 | .040 | .023 | .022 | .016 | .012 | .016 |
| 26 | | | | .093 | .14 | .77 | .040 | .023 | .021 | .016 | .014 | .016 |
| 27 | | | | .099 | .14 | .45 | .037 | .023 | .021 | .016 | .016 | .014 |
| 28 | | | | .093 | .14 | .34 | .034 | .021 | .020 | .016 | .016 | .016 |
| 29 | | | | .085 | .14 | .28 | .031 | .020 | .019 | .016 | .016 | .016 |
| 30 | | | | .085 | .13 | .23 | .040 | .020 | .018 | .016 | .016 | .016 |
| 31 | | | | | .13 | | .037 | .020 | | .016 | | .016 |
| TOTAL | | | | 3.882 | 12.430 | 7.676 | 2.539 | .793 | .588 | .512 | .418 | .497 |
| MEAN | | | | .129 | .401 | .256 | .082 | .026 | .020 | .017 | .014 | .016 |
| MAX | | | | .24 | 1.10 | .77 | .20 | .040 | .023 | .020 | .017 | .017 |
| MIN | | | | .024 | .13 | .062 | .031 | .020 | .017 | .013 | .010 | .014 |
| | | | | 335000M | 1.07H | 663000M | 219000M | 68500M | 50800M | 44200M | 36100M | 42900M |

M = CUBIC METERS
H = CUBIC HECTOMETERS
K = CUBIC KILOMETERS

41S 02080 Ackley Lake Supply Canal Above Drop to Ackley Lake near Hobson, MT

LOCATION -- Lat 46° 56' 28", long 109° 56' 26" in SE¼ NW¼ SW¼ Sec. 22, T. 14 N., R. 14 E., Judith Basin County, on left bank 100 ft (30 m) upstream from drop into Ackley Lake reservoir, 5.2 mi (8.4 km) downstream from headgate, which is at Judith River mile 112.9 (181.7 km), 4 mi (6 km) southwest of Hobson.

DRAINAGE AREA -- Above canal headgate and side coulees draining into canal 477 sq. mi (1,235 sq. km).

GAGE -- Water stage recorder. Altitude of gage 4,320 ft (1,317 m) from topography map.

AVERAGE DISCHARGE -- 1968 to 1976 - 3,100 AF/season (3.82 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 102 $ft^3/s$ (3.60 $m^3/s$), June 20, 1975. Minimum discharge, no flow at times.

REMARKS -- Records good except for periods of jams in drop structure to reservoir.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE SUPPLY CANAL ABOVE DROP TO LAKE NUMBER 41S 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 1.1 | 7.6 | 0 | | | |
| 2 | | | | | | | 7.6 | 7.6 | 0 | | | |
| 3 | | | | | | | 9.8 | 7.6 | .25 | | | |
| 4 | | | | | | | 9.8 | 7.6 | .25 | | | |
| 5 | | | | | | | 9.8 | 5.5 | 5.5 | | | |
| 6 | | | | | | | 9.8 | 5.5 | 5.5 | | | |
| 7 | | | | | | | 13 | 5.5 | 7.6 | | | |
| 8 | | | | | | | 13 | 5.5 | 7.6 | | | |
| 9 | | | | | | | 13 | 5.5 | 7.6 | | | |
| 10 | | | | | | | 13 | 5.5 | 7.6 | | | |
| 11 | | | | | | | 13 | 5.5 | 7.6 | | | |
| 12 | | | | | | | 9.8 | 5.5 | 9.8 | | | |
| 13 | | | | | | | 7.6 | 5.5 | 9.8 | | | |
| 14 | | | | | | | 5.5 | 5.5 | 9.8 | | | |
| 15 | | | | | | | 7.6 | 5.5 | 9.8 | | | |
| 16 | | | | | | | 7.6 | 5.5 | 13 | | | |
| 17 | | | | | | | 9.8 | 5.5 | 13 | | | |
| 18 | | | | | | | 13 | 1.5 | 13 | | | |
| 19 | | | | | | | 9.8 | 1.5 | 13 | | | |
| 20 | | | | | | | 7.6 | 1.5 | 20 | | | |
| 21 | | | | | | | 7.6 | 1.5 | 24 | | | |
| 22 | | | | | | | 7.6 | 1.5 | 20 | | | |
| 23 | | | | | | | 7.6 | 1.5 | 20 | | | |
| 24 | | | | | | | 7.6 | .25 | 20 | | | |
| 25 | | | | | | | 9.8 | .25 | 16 | | | |
| 26 | | | | | | | 7.6 | .25 | 16 | | | |
| 27 | | | | | | | 7.6 | 0 | 20 | | | |
| 28 | | | | | | | 9.8 | 0 | 20 | | | |
| 29 | | | | | | | 9.8 | 0 | 20 | | | |
| 30 | | ------ | | | | | 9.8 | 0 | 20 | | | |
| 31 | | ------ | | ------ | | ------ | 9.8 | 0 | ------ | | ------ | |
| TOTAL | | | | | 0 | 0 | 285.8 | 111.65 | 356.70 | | | |
| MEAN | | | | | 0 | 0 | 9.22 | 3.60 | 11.9 | | | |
| MAX | | | | | 0 | 0 | 13 | 7.6 | 24 | | | |
| MIN | | | | | 0 | 0 | 1.1 | 0 | 0 | | | |
| AC-FT | | | | | 0 | 0 | 567 | 221 | 708 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE SUPPLY CANAL ABOVE DROP TO LAKE NUMBER 41S 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 26 | 14 | 8.0 | 1.5 | 0 | | | |
| 2 | | | | | 21 | 14 | 8.0 | 1.5 | 0 | | | |
| 3 | | | | | 21 | 11 | 8.0 | 1.5 | 0 | | | |
| 4 | | | | | 17 | 14 | 8.0 | 1.5 | 0 | | | |
| 5 | | | | | 17 | 5.5 | 11 | 1.5 | 0 | | | |
| 6 | | | | | 14 | 0 | 17 | 1.5 | 0 | | | |
| 7 | | | | | 11 | 14 | 17 | .50 | 0 | | | |
| 8 | | | | | 11 | 14 | 21 | 0 | 0 | | | |
| 9 | | | | | 11 | 11 | 17 | 0 | 0 | | | |
| 10 | | | | | 11 | 11 | 17 | 0 | 0 | | | |
| 11 | | | | | 11 | 11 | 14 | 0 | 0 | | | |
| 12 | | | | | 11 | 11 | 14 | 0 | 0 | | | |
| 13 | | | | | 5.5 | 11 | 17 | 0 | 0 | | | |
| 14 | | | | | 8.0 | 8.0 | 17 | 0 | 0 | | | |
| 15 | | | | | 5.5 | 8.0 | 17 | 0 | 0 | | | |
| 16 | | | | | 3.5 | 8.0 | 17 | 0 | 0 | | | |
| 17 | | | | | 3.5 | 5.5 | 17 | 0 | 0 | | | |
| 18 | | | | | 3.5 | 5.5 | 14 | 0 | 0 | | | |
| 19 | | | | | 8.0 | 5.5 | 17 | 0 | 0 | | | |
| 20 | | | | | 26 | 5.5 | 17 | 0 | .50 | | | |
| 21 | | | | | 26 | 8.0 | 14 | 0 | .50 | | | |
| 22 | | | | | 26 | 8.0 | 11 | 0 | .50 | | | |
| 23 | | | | | 26 | 5.5 | 11 | 0 | .50 | | | |
| 24 | | | | | 26 | 8.0 | 8.0 | 0 | .50 | | | |
| 25 | | | | | 26 | 3.5 | 8.0 | 0 | .50 | | | |
| 26 | | | | | 26 | .50 | 3.5 | 0 | .50 | | | |
| 27 | | | | | 26 | 1.5 | 3.5 | 0 | .50 | | | |
| 28 | | | | | 26 | 5.5 | 3.5 | 0 | .50 | | | |
| 29 | | ------ | | | 26 | 11 | 5.5 | 0 | .50 | | | |
| 30 | | ------ | | | 21 | 11 | 3.5 | 0 | .50 | | | |
| 31 | | ------ | | ------ | 11 | ------ | 3.5 | 0 | ------ | | ------ | |
| TOTAL | | | | | 511.5 | 250.00 | 368.0 | 9.50 | 5.50 | | | |
| MEAN | | | | | 16.5 | 8.33 | 11.9 | .31 | .18 | | | |
| MAX | | | | | 26 | 14 | 21 | 1.5 | .50 | | | |
| MIN | | | | | 3.5 | 0 | 3.5 | 0 | 0 | | | |
| AC-FT | | | | | 1,010 | 496 | 730 | 19 | 11 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE SUPPLY CANAL ABOVE DROP TO LAKE NUMBER 41S 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 14 | 11 | 5.5 | 0 | | | |
| 2 | | | | | | 17 | 11 | 5.5 | 0 | | | |
| 3 | | | | | | 17 | 11 | 3.5 | 0 | | | |
| 4 | | | | | | 21 | 17 | 5.5 | 0 | | | |
| 5 | | | | | | 21 | 17 | 3.5 | 0 | | | |
| 6 | | | | | | 21 | 17 | 3.5 | 0 | | | |
| 7 | | | | | | 21 | 14 | 1.5 | 0 | | | |
| 8 | | | | | | 26 | 14 | 1.5 | 0 | | | |
| 9 | | | | | | 26 | 14 | 1.5 | 0 | | | |
| 10 | | | | | | 21 | 17 | 1.5 | 0 | | | |
| 11 | | | | | | 17 | 17 | 1.5 | 0 | | | |
| 12 | | | | | | 17 | 17 | 1.5 | 0 | | | |
| 13 | | | | | | 21 | 17 | 1.5 | 0 | | | |
| 14 | | | | | | 14 | 17 | 1.5 | 0 | | | |
| 15 | | | | | | 14 | 17 | 1.5 | 0 | | | |
| 16 | | | | | | 14 | 14 | 1.5 | 0 | | | |
| 17 | | | | | | 14 | 14 | .50 | 0 | | | |
| 18 | | | | | | 11 | 14 | .50 | 0 | | | |
| 19 | | | | | | 8.0 | 14 | .50 | 0 | | | |
| 20 | | | | | | 5.5 | 14 | 0 | 0 | | | |
| 21 | | | | | | 5.5 | 14 | 0 | 0 | | | |
| 22 | | | | | | 5.5 | 14 | 0 | .50 | | | |
| 23 | | | | | | 3.5 | 14 | 0 | .50 | | | |
| 24 | | | | | | 3.5 | 11 | 0 | .50 | | | |
| 25 | | | | | | 3.5 | 11 | 0 | .50 | | | |
| 26 | | | | | | 8.0 | 11 | 0 | .50 | | | |
| 27 | | | | | | 14 | 8.0 | 0 | .50 | | | |
| 28 | | | | | | 14 | 11 | 0 | .50 | | | |
| 29 | | ------ | | | | 14 | 11 | 0 | 1.5 | | | |
| 30 | | ------ | | | | 11 | 8.0 | 0 | 1.5 | | | |
| 31 | | ------ | | ------ | | ------ | 8.0 | 0 | ------ | | ------ | |
| TOTAL | | | | | | 423.0 | 419.0 | 43.50 | 6.50 | | | |
| MEAN | | | | | | 14.1 | 13.5 | 1.40 | .22 | | | |
| MAX | | | | | | 26 | 17 | 5.5 | 1.5 | | | |
| MIN | | | | | | 3.5 | 8.0 | 0 | 0 | | | |
| AC-FT | | | | | | 839 | 831 | 86 | 13 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE SUPPLY CANAL ABOVE DROP TO LAKE NUMBER 41S 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 0 | 16 | | | | | |
| 2 | | | | | 0 | 0 | 16 | | | | | |
| 3 | | | | | 0 | 0 | 18 | | | | | |
| 4 | | | | | 1.5 | 10 | 18 | | | | | |
| 5 | | | | | 0 | 18 | 18 | | | | | |
| 6 | | | | | 0 | 22 | 18 | | | | | |
| 7 | | | | | 0 | 22 | 16 | | | | | |
| 8 | | | | | 0 | 22 | 12 | | | | | |
| 9 | | | | | .50 | 22 | 10 | | | | | |
| 10 | | | | | 0 | 22 | 10 | | | | | |
| 11 | | | | | 0 | 22 | 10 | | | | | |
| 12 | | | | | 0 | 18 | 7.5 | | | | | |
| 13 | | | | | 0 | 18 | 7.5 | | | | | |
| 14 | | | | | 0 | 18 | 7.5 | | | | | |
| 15 | | | | | 0 | 18 | 7.5 | | | | | |
| 16 | | | | | 0 | 18 | 3.5 | | | | | |
| 17 | | | | | 0 | 18 | 3.5 | | | | | |
| 18 | | | | | 0 | 18 | 1.5 | | | | | |
| 19 | | | | | 0 | 18 | 1.5 | | | | | |
| 20 | | | | | 0 | 18 | 1.5 | | | | | |
| 21 | | | | | 0 | 18 | 1.5 | | | | | |
| 22 | | | | | 0 | 18 | 3.5 | | | | | |
| 23 | | | | | 0 | 18 | 1.5 | | | | | |
| 24 | | | | | 0 | 16 | 0 | | | | | |
| 25 | | | | | 0 | 16 | 0 | | | | | |
| 26 | | | | | 0 | 16 | 0 | | | | | |
| 27 | | | | | 0 | 18 | 0 | | | | | |
| 28 | | | | | 0 | 16 | 0 | | | | | |
| 29 | | ------ | | | 0 | 16 | 3.5 | | | | | |
| 30 | | ------ | | | 0 | 16 | 3.5 | | | | | |
| 31 | | ------ | | ------ | 0 | ------ | 1.5 | | ------ | | ------ | |
| TOTAL | | | | 0 | 2.00 | 490 | 218.5 | 0 | 0 | | | |
| MEAN | | | | 0 | .065 | 16.3 | 7.05 | 0 | 0 | | | |
| MAX | | | | 0 | 1.5 | 22 | 18 | 0 | 0 | | | |
| MIN | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 0 | 4.0 | 972 | 433 | 0 | 0 | | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

ACKLEY LAKE SUPPLY CANAL ABOVE OROP TO LAKE NUM8ER 41S 02080

OISCHARGE, IN CUBIC FEET PER SECONO, CALENOAR YEAR 1972

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 16 | 24 | 3.8 | 6.8 | | | | |
| 2 | | | | 0 | 16 | 24 | 3.8 | 5.0 | | | | |
| 3 | | | | 0 | 16 | 24 | 3.8 | 11 | | | | |
| 4 | | | | 0 | 16 | 28 | 3.8 | 11 | | | | |
| 5 | | | | 0 | 16 | 24 | 2.5 | 11 | | | | |
| 6 | | | | 0 | 19 | 19 | 2.5 | 8.5 | | | | |
| 7 | | | | 0 | 19 | 24 | 2.5 | 8.5 | | | | |
| 8 | | | | 0 | 19 | 28 | 3.8 | 8.5 | | | | |
| 9 | | | | 0 | 19 | 28 | 8.5 | 8.5 | | | | |
| 10 | | | | 0 | 19 | 28 | 8.5 | 6.8 | | | | |
| 11 | | | | 0 | 19 | 28 | 8.5 | 5.0 | | | | |
| 12 | | | | 0 | 19 | 28 | 8.5 | 5.0 | | | | |
| 13 | | | | 0 | 19 | 28 | 11 | 3.8 | | | | |
| 14 | | | | 0 | 19 | 24 | 11 | 3.8 | | | | |
| 15 | | | | 7.1 | 24 | 24 | 11 | 3.8 | | | | |
| 16 | | | | 8.5 | 24 | 24 | 5.0 | 2.5 | | | | |
| 17 | | | | 8.5 | 24 | 24 | 3.8 | 2.5 | | | | |
| 18 | | | | 8.5 | 24 | 24 | 3.8 | 1.0 | | | | |
| 19 | | | | 8.5 | 24 | 24 | 6.8 | 1.0 | | | | |
| 20 | | | | 8.5 | 28 | 24 | 8.5 | 1.0 | | | | |
| 21 | | | | 8.5 | 28 | 24 | 11 | .50 | | | | |
| 22 | | | | 8.5 | 28 | 19 | 16 | .50 | | | | |
| 23 | | | | 8.5 | 28 | 13 | 13 | 2.5 | | | | |
| 24 | | | | 8.5 | 28 | 11 | 11 | 3.8 | | | | |
| 25 | | | | 11 | 28 | 13 | 6.8 | 3.8 | | | | |
| 26 | | | | 11 | 24 | 11 | 5.0 | 2.5 | | | | |
| 27 | | | | 8.5 | 24 | 11 | 2.5 | 1.0 | | | | |
| 28 | | | | 11 | 24 | 8.5 | 0 | .50 | | | | |
| 29 | | | | 13 | 24 | 6.8 | 0 | .50 | | | | |
| 30 | | ------ | | 16 | 24 | 5.0 | 0 | 0 | | | | |
| 31 | | ------ | | ------ | 24 | ------ | 3.0 | 0 | ------ | | ------ | |
| TOTAL | | | | 154.1 | 683 | 625.3 | 189.7 | 130.60 | 0 | | | |
| MEAN | | | | 5.14 | 22.0 | 20.8 | 6.12 | 4.21 | 0 | | | |
| MAX | | | | 16 | 28 | 28 | 16 | 11 | 0 | | | |
| MIN | | | | 0 | 16 | 5.0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 306 | 1,350 | 1,240 | 376 | 259 | 0 | | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

ACKLEY LAKE SUPPLY CANAL ABOVE OROP TO LAKE NUM8ER 41S 02080

OISCHARGE, IN CUBIC FEET PER SECONO, CALENOAR YEAR 1973

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 28 | 11 | | | | | |
| 2 | | | | | 0 | 28 | 8.5 | | | | | |
| 3 | | | | | 0 | 35 | 8.5 | | | | | |
| 4 | | | | | 0 | 35 | 6.8 | | | | | |
| 5 | | | | | 0 | 28 | 6.8 | | | | | |
| 6 | | | | | 3.5 | 24 | 5.0 | | | | | |
| 7 | | | | | 1.0 | 24 | 3.8 | | | | | |
| 8 | | | | | .50 | 24 | 3.8 | | | | | |
| 9 | | | | | 1.0 | 28 | 2.5 | | | | | |
| 10 | | | | | 3.8 | 28 | 2.5 | | | | | |
| 11 | | | | | 5.0 | 24 | .88 | | | | | |
| 12 | | | | | 5.0 | 24 | 0 | | | | | |
| 13 | | | | | 5.0 | 24 | 0 | | | | | |
| 14 | | | | | 6.8 | 28 | 0 | | | | | |
| 15 | | | | | 8.5 | 28 | 0 | | | | | |
| 16 | | | | | 19 | 28 | 0 | | | | | |
| 17 | | | | | 24 | 28 | 0 | | | | | |
| 18 | | | | | 14 | 28 | 0 | | | | | |
| 19 | | | | | 13 | 28 | 0 | | | | | |
| 20 | | | | | 24 | 28 | 0 | | | | | |
| 21 | | | | | 28 | 24 | 0 | | | | | |
| 22 | | | | | 24 | 19 | 0 | | | | | |
| 23 | | | | | 24 | 19 | 0 | | | | | |
| 24 | | | | | 24 | 19 | 0 | | | | | |
| 25 | | | | | 28 | 19 | 0 | | | | | |
| 26 | | | | | 28 | 16 | 0 | | | | | |
| 27 | | | | | 24 | 13 | 0 | | | | | |
| 28 | | | | | 16 | 11 | 0 | | | | | |
| 29 | | ------ | | | 24 | 11 | 0 | | | | | |
| 30 | | ------ | | | 6.8 | 11 | 0 | | | | | |
| 31 | | ------ | | ------ | 28 | ------ | 0 | | ------ | | ------ | |
| TOTAL | | | | 0 | 388.90 | 712 | 60.08 | 0 | 0 | | | |
| MEAN | | | | 0 | 12.5 | 23.7 | 1.94 | 0 | 0 | | | |
| MAX | | | | 0 | 28 | 35 | 11 | 0 | 0 | | | |
| MIN | | | | 0 | 0 | 11 | 0 | 0 | 0 | | | |
| AC-FT | | | | 0 | 771 | 1,410 | 119 | 0 | 0 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE SUPPLY CANAL ABOVE DROP TO LAKE NUMBER 41S 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 35 | 28 | .50 | 3.7 | .50 | | |
| 2 | | | | | 3.7 | 43 | 28 | 0 | 3.7 | .50 | | |
| 3 | | | | | 3.7 | 35 | 28 | 0 | 3.7 | 0 | | |
| 4 | | | | | 1.0 | 43 | 23 | 0 | 3.7 | 0 | | |
| 5 | | | | | 1.0 | 43 | 23 | .50 | 3.7 | .50 | | |
| 6 | | | | | 2.5 | 35 | 23 | .50 | 2.5 | .50 | | |
| 7 | | | | | 2.5 | 28 | 23 | 1.0 | 2.5 | .50 | | |
| 8 | | | | | 3.7 | 28 | 28 | 2.5 | 2.5 | .50 | | |
| 9 | | | | | 11 | 43 | 23 | 3.7 | 2.5 | 1.0 | | |
| 10 | | | | | 8.5 | 29 | 19 | 2.5 | 2.5 | 1.0 | | |
| 11 | | | | | 19 | 43 | 16 | 2.5 | 3.7 | 1.0 | | |
| 12 | | | | | 28 | 43 | 16 | 2.5 | 3.7 | 1.0 | | |
| 13 | | | | | 28 | 35 | 13 | 3.7 | 3.7 | 1.0 | | |
| 14 | | | | | 28 | 43 | 13 | 5.0 | 2.5 | 1.0 | | |
| 15 | | | | | 28 | 43 | 11 | 5.0 | 2.5 | 1.0 | | |
| 16 | | | | | 23 | 35 | 11 | 5.0 | 2.5 | 1.0 | | |
| 17 | | | | | 23 | 28 | 8.5 | 3.7 | 2.5 | 1.0 | | |
| 18 | | | | | 23 | 28 | 6.7 | 2.5 | 2.5 | 1.0 | | |
| 19 | | | | | 19 | 28 | 5.0 | 2.5 | 2.5 | 1.0 | | |
| 20 | | | | | 28 | 28 | 5.0 | 3.7 | 1.0 | 1.0 | | |
| 21 | | | | | 35 | 28 | 5.0 | 8.5 | 1.0 | 1.0 | | |
| 22 | | | | | 35 | 43 | 3.7 | 8.5 | 1.0 | 2.5 | | |
| 23 | | | | | 35 | 28 | 2.5 | 6.7 | 1.0 | 2.5 | | |
| 24 | | | | | 35 | 28 | 2.5 | 5.0 | 1.0 | 2.5 | | |
| 25 | | | | | 43 | 35 | 2.5 | 5.0 | 1.0 | 1.0 | | |
| 26 | | | | | 43 | 43 | 1.0 | 3.7 | .50 | 0 | | |
| 27 | | | | | 35 | 43 | 1.0 | 3.7 | 1.0 | 0 | | |
| 28 | | | | | 43 | 43 | 1.0 | 3.7 | .50 | 0 | | |
| 29 | | ------ | | | 35 | 35 | 1.0 | 3.7 | .50 | .50 | | |
| 30 | | ------ | | | 35 | 35 | .50 | 3.7 | .50 | .50 | | |
| 31 | | ------ | | ------ | 35 | ------ | 1.0 | 3.7 | ------ | 1.0 | ------ | |
| TOTAL | | | | 0 | 693.6 | 1,077 | 372.90 | 103.20 | 66.10 | 26.50 | | |
| MEAN | | | | 0 | 22.4 | 35.9 | 12.0 | 3.33 | 2.20 | .85 | | |
| MAX | | | | 0 | 43 | 43 | 28 | 8.5 | 3.7 | 2.5 | | |
| MIN | | | | 0 | 0 | 28 | .50 | 0 | .50 | 0 | | |
| AC-FT | | | | 0 | 1,380 | 2,140 | 740 | 205 | 131 | 53 | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE SUPPLY CANAL ABOVE DROP TO LAKE NUMBER 41S 02080

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 8.5 | 11 | 18 | 39 | 8.5 | | | |
| 2 | | | | | 3.5 | 11 | 15 | 39 | 8.5 | | | |
| 3 | | | | | 5.0 | 35 | 13 | 39 | 8.5 | | | |
| 4 | | | | | 18 | 35 | 11 | 39 | 5.0 | | | |
| 5 | | | | | 22 | 26 | 8.5 | 39 | 5.0 | | | |
| 6 | | | | | 39 | 26 | 11 | 39 | 5.0 | | | |
| 7 | | | | | 62 | 22 | 8.5 | 39 | 3.5 | | | |
| 8 | | | | | 71 | 30 | 11 | 39 | 3.5 | | | |
| 9 | | | | | 62 | 39 | 11 | 39 | 2.5 | | | |
| 10 | | | | | 66 | 30 | 6.5 | 35 | 2.5 | | | |
| 11 | | | | | 44 | 22 | 11 | 30 | 2.5 | | | |
| 12 | | | | | 44 | 18 | 8.5 | 30 | 2.5 | | | |
| 13 | | | | | 22 | 18 | 8.5 | 30 | 2.5 | | | |
| 14 | | | | | 15 | 18 | 8.5 | 30 | 2.5 | | | |
| 15 | | | | | 13 | 22 | 8.5 | 26 | 2.5 | | | |
| 16 | | | | | 13 | 18 | 8.5 | 26 | 2.5 | | | |
| 17 | | | | | 13 | 18 | 26 | 26 | .50 | | | |
| 18 | | | | | 11 | 26 | 26 | 22 | 0 | | | |
| 19 | | | | | 11 | 62 | 18 | 15 | 0 | | | |
| 20 | | | | | 8.5 | 102 | 18 | 13 | 0 | | | |
| 21 | | | | | 11 | 93 | 18 | 13 | 0 | | | |
| 22 | | | | | 11 | 57 | 30 | 13 | 0 | | | |
| 23 | | | | | 8.5 | 44 | 39 | 13 | 0 | | | |
| 24 | | | | | 6.5 | 35 | 35 | 13 | 0 | | | |
| 25 | | | | | 6.5 | 30 | 35 | 13 | 0 | | | |
| 26 | | | | | 6.5 | 35 | 35 | 15 | 0 | | | |
| 27 | | | | | 5.0 | 30 | 35 | 15 | 0 | | | |
| 28 | | | | | 6.5 | 22 | 35 | 13 | 0 | | | |
| 29 | | ------ | | | 11 | 30 | 35 | 13 | 0 | | | |
| 30 | | ------ | | | 26 | 44 | 39 | 11 | 0 | | | |
| 31 | | ------ | | ------ | 11 | ------ | 39 | 8.5 | ------ | | ------ | |
| TOTAL | | | | | 661.0 | 1,009 | 630.0 | 774.5 | 68.00 | 0 | | |
| MEAN | | | | | 21.3 | 33.6 | 20.3 | 25.0 | 2.27 | 0 | | |
| MAX | | | | | 71 | 102 | 39 | 39 | 8.5 | 0 | | |
| MIN | | | | | 3.5 | 11 | 6.5 | 8.5 | 0 | 0 | | |
| AC-FT | | | | | 1,310 | 2,000 | 1,250 | 1,540 | 135 | 0 | | |

MONTANA OEPT OF NATURAL RESOURCES ANO CONSERVATION - WATER RESOURCES OIVISION

ACKLEY LAKE SUPPLY CANAL A8OVE OROP TO LAKE NUM8ER 41S 02080

DISCHARGE, IN CU8IC FEET PER SECONO, CALENOAR YEAR 1976

| OAY | JAN | FE8 | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | OEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 35 | 26 | 13 | 6.5 | 0 | | | |
| 2 | | | | 0 | 35 | 26 | 11 | 6.5 | 0 | | | |
| 3 | | | | 0 | 18 | 30 | 8.5 | 6.5 | 0 | | | |
| 4 | | | | 2.5 | 11 | 35 | 8.5 | 6.5 | 0 | | | |
| 5 | | | | 1.5 | 6.5 | 30 | 8.5 | 5.0 | 0 | | | |
| 6 | | | | .50 | 6.5 | 30 | 8.5 | 6.5 | 0 | | | |
| 7 | | | | .50 | 8.5 | 26 | 3.5 | 5.0 | 0 | | | |
| 8 | | | | 1.5 | 6.5 | 15 | 3.5 | 5.0 | 0 | | | |
| 9 | | | | 1.5 | 5.0 | 26 | 2.5 | 5.0 | 0 | | | |
| 10 | | | | 1.5 | 3.5 | 22 | 2.5 | 5.0 | 0 | | | |
| 11 | | | | 1.5 | 3.5 | 26 | 1.3 | 5.0 | 0 | | | |
| 12 | | | | 1.5 | 3.5 | 30 | 0 | 3.8 | 0 | | | |
| 13 | | | | 5.0 | 2.5 | 35 | 0 | 8.5 | 0 | | | |
| 14 | | | | 22 | 3.5 | 39 | 0 | 8.5 | .32 | | | |
| 15 | | | | 22 | 5.0 | 39 | 0 | 8.5 | 1.5 | | | |
| 16 | | | | 30 | 5.0 | 35 | 0 | 11 | 2.5 | | | |
| 17 | | | | 30 | 6.5 | 39 | 0 | 8.5 | 3.5 | | | |
| 18 | | | | 39 | 5.0 | 39 | 0 | 8.5 | 3.5 | | | |
| 19 | | | | 35 | 5.0 | 35 | 6.5 | 4.3 | 5.0 | | | |
| 20 | | | | 35 | 6.5 | 35 | 3.5 | 0 | 5.0 | | | |
| 21 | | | | 30 | 8.5 | 30 | 5.0 | 0 | 8.5 | | | |
| 22 | | | | 30 | 11 | 35 | 3.5 | 0 | 11 | | | |
| 23 | | | | 30 | 11 | 35 | 1.5 | 0 | 11 | | | |
| 24 | | | | 30 | 11 | 35 | 6.5 | 0 | 8.5 | | | |
| 25 | | | | 26 | 8.5 | 35 | 6.5 | 1.5 | 8.5 | | | |
| 26 | | | | 30 | 11 | 30 | 6.5 | 3.5 | 8.5 | | | |
| 27 | | | | 26 | 11 | 15 | 5.0 | 3.5 | 8.5 | | | |
| 28 | | | | 18 | 13 | 15 | 5.0 | 2.5 | 11 | | | |
| 29 | | | | 22 | 18 | 13 | 5.0 | 1.6 | 8.5 | | | |
| 30 | | ------ | | 30 | 22 | 13 | 5.0 | 0 | 8.5 | | | |
| 31 | | ------ | | ------ | 22 | ------ | 6.5 | 0 | ------ | | ------ | |
| TOTAL | | | | 502.50 | 328.5 | 874 | 137.3 | 136.7 | 113.82 | | | |
| MEAN | | | | 16.8 | 10.6 | 29.1 | 4.43 | 4.41 | 3.79 | | | |
| MAX | | | | 39 | 35 | 39 | 13 | 11 | 11 | | | |
| MIN | | | | 0 | 2.5 | 13 | 0 | 0 | 0 | | | |
| AC-FT | | | | 997 | 652 | 1,730 | 272 | 271 | 226 | | | |

41S 03000 Ackley Lake Outlet Canal Below Ackley Lake near Hobson, MT

LOCATION -- Lat 46° 57' 34", long 109° 55' 53" in NE¼ NW¼ SE¼ Sec. 22, T. 14 N., R. 14 E., Judith Basin County, on left bank 200 ft (61 m) downstream from Ackley Lake reservoir tower, 4.7 mi (7.6 km), upstream from tailout structure at Judith River mile 108.6 (174.7 km), 4 mi (6 km) southwest of Hobson.

DRAINAGE AREA -- Above dam at reservoir 479 sq. mi (1,241 sq. km).

GAGE -- Water stage recorder and 8 ft Cipolletti weir. Altitude of gage 4,275 ft (1,303 m) from topography map.

AVERAGE DISCHARGE -- 1968 to 1976 - 3,000 AF/season (3.70 cu. hm/season).

EXTREMES -- Period of record: Maximum discharge, 40 $ft^3/s$ (1.13 $m^3/s$), July 23, 1975. Minimum discharge, no flow at times.

REMARKS -- Records good.

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE OUTLET CANAL BELOW RESERVOIR NUMBER 41S 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1968

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | .85 | 1.6 | 17 | 25 | 9.5 | | | |
| 2 | | | | | .85 | 3.4 | 17 | 27 | 6.8 | | | |
| 3 | | | | | .85 | 4.4 | 17 | 27 | 4.4 | | | |
| 4 | | | | | .85 | 4.4 | 21 | 27 | 2.4 | | | |
| 5 | | | | | .85 | 4.4 | 21 | 27 | 3.4 | | | |
| 6 | | | | | .85 | 4.4 | 19 | 23 | 3.4 | | | |
| 7 | | | | | .85 | 4.4 | 16 | 19 | 3.4 | | | |
| 8 | | | | | .85 | 4.4 | 16 | 16 | 3.4 | | | |
| 9 | | | | | .85 | 4.4 | 16 | 9.5 | 3.4 | | | |
| 10 | | | | | .85 | 4.4 | 27 | 9.5 | 3.4 | | | |
| 11 | | | | | .85 | 4.4 | 29 | 9.5 | 3.4 | | | |
| 12 | | | | | .85 | 4.4 | 25 | 6.8 | 6.8 | | | |
| 13 | | | | | .85 | 4.4 | 25 | .85 | 6.8 | | | |
| 14 | | | | | .85 | 4.4 | 25 | .30 | 6.8 | | | |
| 15 | | | | | .85 | 4.4 | 27 | .30 | 3.4 | | | |
| 16 | | | | | .85 | 4.4 | 23 | .30 | 1.6 | | | |
| 17 | | | | | .85 | 4.4 | 21 | 5.6 | 1.6 | | | |
| 18 | | | | | .85 | 4.4 | 21 | 13 | 1.6 | | | |
| 19 | | | | | .85 | 4.4 | 21 | 13 | 1.6 | | | |
| 20 | | | | | .85 | 8.1 | 21 | 13 | 1.6 | | | |
| 21 | | | | | .85 | 14 | 21 | 13 | 1.6 | | | |
| 22 | | | | | .85 | 17 | 23 | 13 | 1.6 | | | |
| 23 | | | | | .85 | 17 | 33 | 13 | 1.6 | | | |
| 24 | | | | | .85 | 17 | 27 | 13 | 1.6 | | | |
| 25 | | | | | .85 | 17 | 25 | 13 | 1.6 | | | |
| 26 | | | | | 1.6 | 17 | 25 | 13 | 1.6 | | | |
| 27 | | | | | 1.6 | 17 | 25 | 13 | 1.6 | | | |
| 28 | | | | | 1.6 | 17 | 21 | 13 | 1.6 | | | |
| 29 | | | | | 1.6 | 17 | 21 | 13 | 1.6 | | | |
| 30 | | ------ | | | 1.6 | 17 | 23 | 13 | 2.4 | | | |
| 31 | | ------ | | ------ | 1.6 | ------ | 23 | 13 | ------ | | ------ | |
| TOTAL | | | | | 30.85 | 254.9 | 692 | 415.65 | 95.5 | | | |
| MEAN | | | | | 1.00 | 8.50 | 22.3 | 13.4 | 3.18 | | | |
| MAX | | | | | 1.6 | 17 | 33 | 27 | 9.5 | | | |
| MIN | | | | | .85 | 1.6 | 16 | .30 | 1.6 | | | |
| AC-FT | | | | | 61 | 506 | 1,370 | 824 | 189 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE OUTLET CANAL BELOW RESERVOIR NUMBER 41S 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1969

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 1.6 | 21 | 3.4 | 17 | 14 | | | |
| 2 | | | | | 3.4 | 21 | 3.4 | 19 | 13 | | | |
| 3 | | | | | 5.6 | 23 | 3.4 | 19 | 13 | | | |
| 4 | | | | | 6.8 | 29 | 3.4 | 19 | 13 | | | |
| 5 | | | | | 8.1 | 29 | 3.4 | 19 | 13 | | | |
| 6 | | | | | 8.1 | 29 | 3.4 | 19 | 13 | | | |
| 7 | | | | | 11 | 25 | 3.4 | 19 | 13 | | | |
| 8 | | | | | 11 | 21 | 3.4 | 19 | 9.5 | | | |
| 9 | | | | | 13 | 21 | 3.4 | 19 | 8.1 | | | |
| 10 | | | | | 16 | 19 | 3.4 | 21 | 8.1 | | | |
| 11 | | | | | 16 | 17 | 3.4 | 19 | 8.1 | | | |
| 12 | | | | | 16 | 17 | 5.6 | 17 | 8.1 | | | |
| 13 | | | | | 16 | 17 | 13 | 19 | 8.1 | | | |
| 14 | | | | | 16 | 17 | 14 | 19 | 3.4 | | | |
| 15 | | | | | 17 | 17 | 16 | 19 | .85 | | | |
| 16 | | | | | 17 | 14 | 16 | 19 | .30 | | | |
| 17 | | | | | 19 | 16 | 16 | 19 | .30 | | | |
| 18 | | | | | 19 | 16 | 16 | 19 | .30 | | | |
| 19 | | | | | 19 | 19 | 16 | 19 | .30 | | | |
| 20 | | | | | 19 | 23 | 16 | 11 | .30 | | | |
| 21 | | | | | 19 | 23 | 16 | 6.8 | .30 | | | |
| 22 | | | | | 19 | 23 | 17 | 9.5 | .30 | | | |
| 23 | | | | | 23 | 16 | 17 | 8.1 | .30 | | | |
| 24 | | | | | 27 | 11 | 17 | 13 | .30 | | | |
| 25 | | | | | 27 | 2.4 | 17 | 16 | .30 | | | |
| 26 | | | | | 27 | 0 | 17 | 17 | .30 | | | |
| 27 | | | | | 27 | 0 | 17 | 16 | .30 | | | |
| 28 | | | | | 27 | 2.4 | 17 | 16 | .30 | | | |
| 29 | | ------ | | | 27 | 2.4 | 17 | 14 | .30 | | | |
| 30 | | ------ | | | 25 | 3.7 | 17 | 14 | .30 | | | |
| 31 | | ------ | | ------ | 23 | ------ | 17 | 14 | ------ | | ------ | |
| TOTAL | | | | | 529.6 | 494.9 | 352.0 | 514.4 | 150.75 | | | |
| MEAN | | | | | 17.1 | 16.5 | 11.4 | 16.6 | 5.03 | | | |
| MAX | | | | | 27 | 29 | 17 | 21 | 14 | | | |
| MIN | | | | | 1.6 | 0 | 3.4 | 6.8 | .30 | | | |
| AC-FT | | | | | 1,050 | 982 | 698 | 1,020 | 299 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE OUTLET CANAL BELOW RESERVOIR NUMBER 41S 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1970

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | 0 | 14 | 25 | 13 | | | |
| 2 | | | | | | 0 | 14 | 27 | 13 | | | |
| 3 | | | | | | 0 | 14 | 27 | 8.1 | | | |
| 4 | | | | | | 0 | 14 | 25 | 5.6 | | | |
| 5 | | | | | | 0 | 14 | 27 | 5.6 | | | |
| 6 | | | | | | 0 | 16 | 27 | 2.5 | | | |
| 7 | | | | | | 0 | 17 | 31 | 0 | | | |
| 8 | | | | | | 0 | 25 | 31 | 0 | | | |
| 9 | | | | | | 0 | 29 | 27 | 0 | | | |
| 10 | | | | | | 0 | 31 | 23 | 0 | | | |
| 11 | | | | | | 0 | 31 | 21 | 0 | | | |
| 12 | | | | | | 0 | 31 | 16 | 0 | | | |
| 13 | | | | | | 0 | 31 | 16 | 0 | | | |
| 14 | | | | | | 0 | 27 | 13 | 0 | | | |
| 15 | | | | | | 0 | 17 | 9.5 | 0 | | | |
| 16 | | | | | | 0 | 13 | 9.5 | 0 | | | |
| 17 | | | | | | 0 | 14 | 11 | 0 | | | |
| 18 | | | | | | 0 | 11 | 16 | 0 | | | |
| 19 | | | | | | 1.0 | 13 | 17 | 0 | | | |
| 20 | | | | | | 8.1 | 17 | 23 | 0 | | | |
| 21 | | | | | | 9.5 | 14 | 21 | 0 | | | |
| 22 | | | | | | 11 | 13 | 21 | 0 | | | |
| 23 | | | | | | 11 | 9.5 | 17 | 0 | | | |
| 24 | | | | | | 17 | 9.5 | 8.1 | 0 | | | |
| 25 | | | | | | 21 | 11 | 8.1 | 0 | | | |
| 26 | | | | | | 21 | 9.5 | 8.1 | 0 | | | |
| 27 | | | | | | 17 | 4.5 | 8.1 | 0 | | | |
| 28 | | | | | | 16 | 0 | 9.5 | 0 | | | |
| 29 | | ------ | | | | 14 | 0 | 13 | 0 | | | |
| 30 | | ------ | | | | 14 | 15 | 13 | 0 | | | |
| 31 | | ------ | | ------ | | ------ | 25 | 13 | ------ | | ------ | |
| TOTAL | | | | | | 160.6 | 504.0 | 561.9 | 47.8 | | | |
| MEAN | | | | | | 5.35 | 16.3 | 18.1 | 1.59 | | | |
| MAX | | | | | | 21 | 31 | 31 | 13 | | | |
| MIN | | | | | | 0 | 0 | 8.1 | 0 | | | |
| AC-FT | | | | | | 319 | 1,000 | 1,110 | 95 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE OUTLET CANAL BELOW RESERVOIR NUMBER 41S 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1971

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 21 | 6.8 | 23 | 9.5 | | | |
| 2 | | | | | 0 | 19 | 11 | 23 | 2.8 | | | |
| 3 | | | | | 0 | 19 | 13 | 23 | 0 | | | |
| 4 | | | | | 0 | 19 | 13 | 23 | .39 | | | |
| 5 | | | | | 0 | 17 | 13 | 23 | 1.6 | | | |
| 6 | | | | | 0 | 17 | 17 | 16 | 1.6 | | | |
| 7 | | | | | 0 | 17 | 31 | 17 | 1.6 | | | |
| 8 | | | | | 0 | 11 | 29 | 17 | 2.4 | | | |
| 9 | | | | | 0 | 6.8 | 25 | 19 | 3.4 | | | |
| 10 | | | | | 0 | 6.8 | 27 | 19 | 3.4 | | | |
| 11 | | | | | 0 | 6.8 | 27 | 19 | 3.4 | | | |
| 12 | | | | | 0 | 6.8 | 27 | 17 | 3.4 | | | |
| 13 | | | | | 3.4 | 6.8 | 27 | 16 | 3.4 | | | |
| 14 | | | | | 13 | 6.8 | 23 | 11 | 3.4 | | | |
| 15 | | | | | 16 | 3.4 | 11 | 11 | 1.6 | | | |
| 16 | | | | | 17 | 2.4 | 9.5 | 11 | .30 | | | |
| 17 | | | | | 17 | 4.4 | 9.5 | 11 | 0 | | | |
| 18 | | | | | 17 | 8.1 | 14 | 11 | 0 | | | |
| 19 | | | | | 17 | 8.1 | 16 | 11 | 0 | | | |
| 20 | | | | | 14 | 8.1 | 16 | 11 | 0 | | | |
| 21 | | | | | 11 | 8.1 | 17 | 11 | 0 | | | |
| 22 | | | | | 13 | 8.1 | 17 | 11 | 0 | | | |
| 23 | | | | | 13 | 11 | 17 | 11 | 0 | | | |
| 24 | | | | | 14 | 13 | 17 | 13 | 0 | | | |
| 25 | | | | | 16 | 14 | 19 | 16 | 0 | | | |
| 26 | | | | | 19 | 13 | 19 | 19 | 0 | | | |
| 27 | | | | | 21 | 8.1 | 17 | 19 | 0 | | | |
| 28 | | | | | 21 | 6.8 | 17 | 19 | 0 | | | |
| 29 | | ------ | | | 21 | 6.8 | 19 | 17 | 0 | | | |
| 30 | | ------ | | | 19 | 6.8 | 21 | 11 | 0 | | | |
| 31 | | ------ | | ------ | 19 | ------ | 23 | 9.5 | ------ | | ------ | |
| TOTAL | | | | | 301.4 | 311.0 | 568.8 | 488.5 | 42.19 | | | |
| MEAN | | | | | 9.72 | 10.4 | 18.3 | 15.8 | 1.41 | | | |
| MAX | | | | | 21 | 21 | 31 | 23 | 9.5 | | | |
| MIN | | | | | 0 | 2.4 | 6.8 | 9.5 | 0 | | | |
| AC-FT | | | | | 598 | 617 | 1,130 | 969 | 84 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE OUTLET CANAL BELOW RESERVOIR NUMBER 41S 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1972

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | .30 | .30 | 14 | 17 | 17 | 11 | | | |
| 2 | | | | .30 | .85 | 16 | 11 | 16 | 11 | | | |
| 3 | | | | .30 | .85 | 16 | 11 | 8.1 | 11 | | | |
| 4 | | | | .30 | 2.4 | 16 | 11 | 5.6 | 11 | | | |
| 5 | | | | .85 | 4.4 | 16 | 14 | 4.4 | 11 | | | |
| 6 | | | | .85 | 4.4 | 17 | 21 | 4.4 | 6.8 | | | |
| 7 | | | | .85 | 3.4 | 19 | 25 | 4.4 | 4.4 | | | |
| 8 | | | | .85 | 1.6 | 16 | 23 | 4.4 | 4.4 | | | |
| 9 | | | | 1.6 | 1.6 | 13 | 21 | 4.4 | 3.4 | | | |
| 10 | | | | 1.6 | 1.6 | 14 | 0 | 4.4 | 2.4 | | | |
| 11 | | | | 1.6 | 1.6 | 16 | 0 | 4.4 | 2.4 | | | |
| 12 | | | | 1.6 | .85 | 16 | 8.8 | 5.6 | 2.4 | | | |
| 13 | | | | 1.6 | .85 | 17 | 23 | 6.8 | 3.4 | | | |
| 14 | | | | 1.6 | .85 | 17 | 27 | 11 | 4.4 | | | |
| 15 | | | | .85 | .85 | 16 | 33 | 16 | 2.4 | | | |
| 16 | | | | .85 | .85 | 14 | 35 | 17 | 2.4 | | | |
| 17 | | | | .85 | .85 | 14 | 33 | 17 | 2.4 | | | |
| 18 | | | | .85 | .85 | 13 | 35 | 17 | 2.4 | | | |
| 19 | | | | .85 | .85 | 21 | 31 | 14 | 2.4 | | | |
| 20 | | | | .85 | .85 | 29 | 23 | 11 | 2.4 | | | |
| 21 | | | | .85 | .30 | 31 | 19 | 11 | 2.4 | | | |
| 22 | | | | .30 | 2.4 | 27 | 8.1 | 11 | 2.4 | | | |
| 23 | | | | .30 | 6.8 | 25 | 6.8 | 11 | 2.4 | | | |
| 24 | | | | .30 | 8.1 | 21 | 6.8 | 11 | .85 | | | |
| 25 | | | | .30 | 8.1 | 21 | 6.8 | 11 | 0 | | | |
| 26 | | | | .30 | 8.1 | 21 | 9.5 | 11 | 3.4 | | | |
| 27 | | | | .30 | 6.8 | 23 | 17 | 11 | 4.4 | | | |
| 28 | | | | .30 | 5.6 | 21 | 17 | 11 | .85 | | | |
| 29 | | | | .30 | 6.8 | 19 | 17 | 11 | .85 | | | |
| 30 | | ------ | | .30 | 8.1 | 19 | 17 | 11 | .85 | | | |
| 31 | | ------ | | ------ | 14 | ------ | 17 | 11 | ------ | | ------ | |
| TOTAL | | | | 22.85 | 105.75 | 558 | 544.8 | 313.9 | 121.80 | | | |
| MEAN | | | | .76 | 3.41 | 18.6 | 17.6 | 10.1 | 4.06 | | | |
| MAX | | | | 1.6 | 14 | 31 | 35 | 17 | 11 | | | |
| MIN | | | | .30 | .30 | 13 | 0 | 4.4 | 0 | | | |
| AC-FT | | | | 45 | 210 | 1,110 | 1,080 | 623 | 242 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE OUTLET CANAL BELOW RESERVOIR NUMBER 41S 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1973

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 21 | 14 | 11 | 2.4 | | | |
| 2 | | | | | 0 | 21 | 14 | 0 | 2.4 | | | |
| 3 | | | | | 0 | 17 | 14 | 0 | 2.4 | | | |
| 4 | | | | | 0 | 14 | 11 | 0 | 2.4 | | | |
| 5 | | | | | 0 | 16 | 8.1 | 0 | 2.4 | | | |
| 6 | | | | | 0 | 16 | 8.1 | 8.2 | 2.4 | | | |
| 7 | | | | | 0 | 16 | 9.5 | 16 | 2.4 | | | |
| 8 | | | | | 0 | 16 | 9.5 | 19 | 2.4 | | | |
| 9 | | | | | 0 | 16 | 9.5 | 23 | 1.6 | | | |
| 10 | | | | | 0 | 16 | 14 | 29 | .26 | | | |
| 11 | | | | | 0 | 19 | 21 | 38 | .20 | | | |
| 12 | | | | | 0 | 25 | 27 | 35 | .30 | | | |
| 13 | | | | | 0 | 27 | 31 | 33 | .14 | | | |
| 14 | | | | | 0 | 31 | 31 | 33 | 0 | | | |
| 15 | | | | | 0 | 29 | 25 | 33 | 0 | | | |
| 16 | | | | | 2.8 | 25 | 23 | 31 | 0 | | | |
| 17 | | | | | 5.6 | 23 | 23 | 31 | .55 | | | |
| 18 | | | | | 6.8 | 14 | 23 | 33 | .50 | | | |
| 19 | | | | | 5.6 | 11 | 23 | 31 | .30 | | | |
| 20 | | | | | 5.6 | 8.1 | 21 | 25 | .16 | | | |
| 21 | | | | | 9.5 | 5.6 | 23 | 25 | .14 | | | |
| 22 | | | | | 13 | 4.4 | 29 | 25 | 0 | | | |
| 23 | | | | | 13 | 6.8 | 29 | 23 | .30 | | | |
| 24 | | | | | 13 | 9.5 | 29 | 16 | 0 | | | |
| 25 | | | | | 13 | 16 | 29 | 9.5 | 0 | | | |
| 26 | | | | | 13 | 21 | 27 | 6.8 | .85 | | | |
| 27 | | | | | 11 | 21 | 27 | 5.6 | 1.1 | | | |
| 28 | | | | | 11 | 21 | 27 | 1.6 | 9.5 | | | |
| 29 | | ------ | | | 14 | 21 | 25 | 2.4 | 5.6 | | | |
| 30 | | ------ | | | 16 | 17 | 19 | 1.6 | .85 | | | |
| 31 | | ------ | | ------ | 19 | ------ | 14 | 2.4 | ------ | | ------ | |
| TOTAL | | | | | 171.9 | 524.4 | 637.7 | 548.1 | 41.55 | | | |
| MEAN | | | | | 5.55 | 17.5 | 20.6 | 17.7 | 1.39 | | | |
| MAX | | | | | 19 | 31 | 31 | 38 | 9.5 | | | |
| MIN | | | | | 0 | 4.4 | 8.1 | 0 | 0 | | | |
| AC-FT | | | | | 341 | 1,040 | 1,260 | 1,090 | 82 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE OUTLET CANAL BELOW RESERVOIR NUMBER 41S 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1974

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | .46 | 11 | 19 | 35 | 2.4 | | | |
| 2 | | | | | 2.4 | 11 | 21 | 29 | 2.4 | | | |
| 3 | | | | | 4.4 | 11 | 19 | 0 | 2.4 | | | |
| 4 | | | | | 4.4 | 11 | 16 | 0 | 2.4 | | | |
| 5 | | | | | 5.6 | 11 | 19 | 0 | 2.4 | | | |
| 6 | | | | | 11 | 11 | 25 | 0 | 1.6 | | | |
| 7 | | | | | 17 | 11 | 29 | 1.1 | .30 | | | |
| 8 | | | | | 25 | 11 | 29 | 19 | .30 | | | |
| 9 | | | | | 33 | 11 | 25 | 14 | .30 | | | |
| 10 | | | | | 33 | 11 | 17 | 16 | .30 | | | |
| 11 | | | | | 21 | 11 | 17 | 16 | .30 | | | |
| 12 | | | | | 25 | 11 | 17 | 17 | .30 | | | |
| 13 | | | | | 16 | 19 | 16 | 16 | .30 | | | |
| 14 | | | | | 4.4 | 27 | 16 | 16 | .30 | | | |
| 15 | | | | | 11 | 27 | 16 | 13 | .30 | | | |
| 16 | | | | | 11 | 27 | 16 | 9.5 | 1.6 | | | |
| 17 | | | | | 11 | 33 | 13 | 9.5 | 1.6 | | | |
| 18 | | | | | 11 | 38 | 13 | 5.6 | 1.6 | | | |
| 19 | | | | | 11 | 35 | 13 | 3.4 | 1.6 | | | |
| 20 | | | | | 4.4 | 31 | 16 | 3.4 | 1.6 | | | |
| 21 | | | | | 2.4 | 27 | 19 | 3.4 | 1.6 | | | |
| 22 | | | | | 2.4 | 21 | 19 | 3.4 | 1.6 | | | |
| 23 | | | | | 2.4 | 13 | 21 | 3.4 | 1.6 | | | |
| 24 | | | | | 2.4 | 11 | 33 | 3.4 | 2.4 | | | |
| 25 | | | | | 1.6 | 11 | 35 | 3.4 | 2.4 | | | |
| 26 | | | | | 1.6 | 13 | 35 | 3.4 | 2.4 | | | |
| 27 | | | | | .85 | 11 | 35 | 3.4 | 2.4 | | | |
| 28 | | | | | 5.6 | 14 | 38 | 3.4 | 1.6 | | | |
| 29 | | ------ | | | 11 | 17 | 35 | 2.4 | 1.6 | | | |
| 30 | | ------ | | | 11 | 17 | 35 | 2.4 | 1.6 | | | |
| 31 | | ------ | | ------ | 11 | ------ | 35 | 2.4 | ------ | | ------ | |
| TOTAL | | | | | 314.31 | 524 | 712 | 257.9 | 43.50 | | | |
| MEAN | | | | | 10.1 | 17.5 | 23.0 | 8.32 | 1.45 | | | |
| MAX | | | | | 33 | 38 | 38 | 35 | 2.4 | | | |
| MIN | | | | | .46 | 11 | 13 | 0 | .30 | | | |
| AC-FT | | | | | 623 | 1,040 | 1,410 | 512 | 86 | | | |

MONTANA DEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE OUTLET CANAL BELOW RESERVOIR NUMBER 41S 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1975

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | 0 | 33 | 8.1 | 25 | | 0 | 21 | | |
| 2 | | | | 0 | 25 | 13 | 25 | | 0 | 21 | | |
| 3 | | | | 0 | 16 | 19 | 25 | | 0 | 21 | | |
| 4 | | | | 0 | 16 | 21 | 25 | | 0 | 21 | | |
| 5 | | | | 0 | 19 | 21 | 25 | | 0 | 21 | | |
| 6 | | | | 0 | 21 | 21 | 25 | | 0 | 21 | | |
| 7 | | | | 0 | 19 | 21 | 25 | | 0 | 21 | | |
| 8 | | | | 0 | 19 | 21 | 19 | | 3.2 | 17 | | |
| 9 | | | | 0 | 17 | 21 | 14 | | 13 | 8.1 | | |
| 10 | | | | 0 | 17 | 21 | 14 | | 19 | 3.4 | | |
| 11 | | | | 0 | 16 | 19 | 16 | | 19 | 3.4 | | |
| 12 | | | | 0 | 16 | 19 | 17 | | 17 | 3.4 | | |
| 13 | | | | 0 | 16 | 19 | 17 | | 17 | 3.4 | | |
| 14 | | | | 0 | 16 | 19 | 17 | | 17 | 1.7 | | |
| 15 | | | | 0 | 16 | 19 | 21 | | 17 | 0 | | |
| 16 | | | | 0 | 16 | 19 | 25 | | 17 | 0 | | |
| 17 | | | | 0 | 16 | 21 | 25 | | 17 | 0 | | |
| 18 | | | | 0 | 16 | 25 | 35 | | 17 | 0 | | |
| 19 | | | | 0 | 16 | 25 | 35 | | 17 | 0 | | |
| 20 | | | | 0 | 16 | 25 | 35 | | 17 | 0 | | |
| 21 | | | | 0 | 16 | 25 | 35 | | 17 | 0 | | |
| 22 | | | | 0 | 13 | 25 | 38 | | 17 | 0 | | |
| 23 | | | | 0 | 9.5 | 27 | 40 | | 19 | 0 | | |
| 24 | | | | 0 | 9.5 | 27 | 38 | | 21 | 0 | | |
| 25 | | | | 0 | 9.5 | 27 | 38 | | 21 | 0 | | |
| 26 | | | | 0 | 9.5 | 27 | 33 | | 21 | 0 | | |
| 27 | | | | 6.4 | 8.1 | 27 | 33 | | 21 | 0 | | |
| 28 | | | | 9.5 | 8.1 | 27 | 33 | | 21 | 0 | | |
| 29 | | ------ | | 9.5 | 8.1 | 27 | 31 | | 21 | 0 | | |
| 30 | | ------ | | 23 | 8.1 | 25 | 31 | | 21 | 0 | | |
| 31 | | ------ | | ------ | 8.1 | ------ | 18 | | ------ | 0 | ------ | |
| TOTAL | | | | 48.4 | 469.5 | 661.1 | 833 | 0 | 407.2 | 187.4 | | |
| MEAN | | | | 1.61 | 15.1 | 22.0 | 26.9 | 0 | 13.6 | 6.05 | | |
| MAX | | | | 23 | 33 | 27 | 40 | 0 | 21 | 21 | | |
| MIN | | | | 0 | 8.1 | 8.1 | 14 | 0 | 0 | 0 | | |
| AC-FT | | | | 96 | 931 | 1,310 | 1,650 | 0 | 808 | 372 | | |

MONTANA OEPT OF NATURAL RESOURCES AND CONSERVATION - WATER RESOURCES DIVISION

ACKLEY LAKE OUTLET CANAL BELOW RESERVOIR NUMBER 41S 03000

DISCHARGE, IN CUBIC FEET PER SECOND, CALENDAR YEAR 1976

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | 0 | 23 | 0 | 31 | 13 | | | |
| 2 | | | | | 0 | 27 | 2.4 | 29 | 13 | | | |
| 3 | | | | | 0 | 27 | 2.4 | 27 | 9.5 | | | |
| 4 | | | | | 0 | 27 | 2.4 | 21 | 8.1 | | | |
| 5 | | | | | 0 | 27 | 6.8 | 21 | 8.1 | | | |
| 6 | | | | | 0 | 29 | 13 | 17 | 8.1 | | | |
| 7 | | | | | 0 | 29 | 13 | 5.9 | 8.1 | | | |
| 8 | | | | | 0 | 29 | 13 | 0 | 8.1 | | | |
| 9 | | | | | 0 | 29 | 14 | 0 | 8.1 | | | |
| 10 | | | | | 0 | 31 | 14 | 0 | 8.1 | | | |
| 11 | | | | | 0 | 31 | 14 | 0 | 6.8 | | | |
| 12 | | | | | 0 | 31 | 21 | .66 | 6.8 | | | |
| 13 | | | | | 0 | 24 | 31 | 1.6 | 6.8 | | | |
| 14 | | | | | 0 | 21 | 31 | 4.4 | 6.8 | | | |
| 15 | | | | | 1.6 | 27 | 33 | 3.4 | 6.8 | | | |
| 16 | | | | | 2.4 | 35 | 35 | 2.4 | 5.6 | | | |
| 17 | | | | | 3.4 | 33 | 38 | 1.6 | 5.6 | | | |
| 18 | | | | | 4.4 | 27 | 38 | 5.6 | 5.6 | | | |
| 19 | | | | | 4.4 | 23 | 38 | 11 | 3.4 | | | |
| 20 | | | | | 8.1 | 19 | 38 | 13 | .85 | | | |
| 21 | | | | | 9.5 | 19 | 38 | 13 | .85 | | | |
| 22 | | | | | 14 | 7.4 | 38 | 13 | .85 | | | |
| 23 | | | | | 19 | 0 | 38 | 13 | .85 | | | |
| 24 | | | | | 19 | 0 | 38 | 13 | .85 | | | |
| 25 | | | | | 17 | 0 | 38 | 13 | .85 | | | |
| 26 | | | | | 9.5 | 0 | 35 | 13 | .39 | | | |
| 27 | | | | | 25 | 0 | 31 | 13 | 0 | | | |
| 28 | | | | | 21 | 0 | 29 | 13 | 0 | | | |
| 29 | | | | | 19 | 0 | 29 | 13 | 0 | | | |
| 30 | | ------ | | | 19 | 0 | 31 | 13 | 0 | | | |
| 31 | | ------ | | ------ | 19 | ------ | 31 | 13 | ------ | | ------ | |
| TOTAL | | | | 0 | 215.3 | 575.4 | 774.0 | 338.56 | 151.89 | | | |
| MEAN | | | | 0 | 6.95 | 19.2 | 25.0 | 10.9 | 5.06 | | | |
| MAX | | | | 0 | 25 | 35 | 38 | 31 | 13 | | | |
| MIN | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| AC-FT | | | | 0 | 427 | 1,140 | 1,540 | 672 | 301 | | | |